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# **China: Economic Indicators**

**A Reference Aid**

*ER 78-10750  
December 1978*

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# China: Economic Indicators

A Reference Aid

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## China: Economic Indicators

*Central Intelligence Agency  
National Foreign Assessment Center*

*December 1978*

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### *Foreword*

This handbook of estimates of economic performance in the People's Republic of China is the fourth in an annual series. Individual estimates in this issue contain not only statistics for 1977, the latest calendar year of coverage, but also revisions of statistics presented in the past and some statistical series not previously included. For information on sources and methodologies, we refer the reader to earlier publications listed at the end of this handbook. The People's Republic of China has not published statistics systematically since the late 1950s. Frequently, data for the post-1957 years are based on Chinese claims of multiples of figures for an earlier year or increases over a more recent year. As a result, many of the series presented in this handbook are incomplete; they are, however, our best estimates as of the date of publication.

Abbreviations used in the charts and statistical tables are as follows:

b/d .....	barrels per day
dwt .....	deadweight ton
hp .....	horsepower
kg .....	kilogram
km .....	kilometer
kW .....	kilowatt
kWh .....	kilowatt hour
LSD .....	light ship displacement
m .....	meter
. . . ..	No estimate available

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Table 1

## China: Selected Economic Indicators

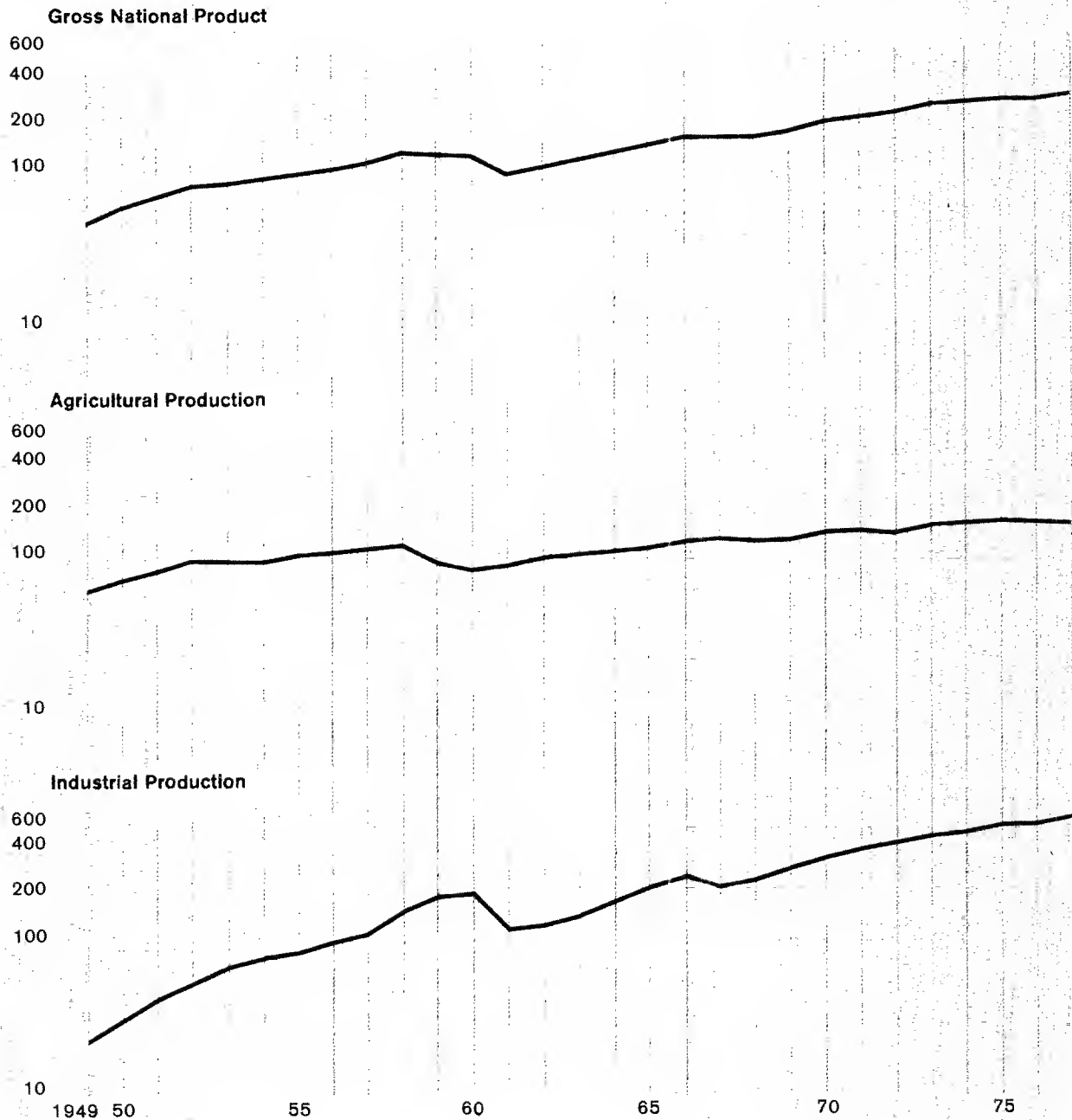
	1952	1957	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978 <sup>1</sup>
<b>GNP (billion 1977 US \$)</b>	<b>92</b>	<b>128</b>	<b>172</b>	<b>244</b>	<b>261</b>	<b>273</b>	<b>308</b>	<b>320</b>	<b>342</b>	<b>342</b>	<b>370</b>	<b>407</b>
<b>Population, midyear (million persons)</b>	<b>570</b>	<b>640</b>	<b>754</b>	<b>847</b>	<b>867</b>	<b>886</b>	<b>906</b>	<b>924</b>	<b>943</b>	<b>962</b>	<b>983</b>	<b>1,004</b>
<b>Per capita GNP (1977 US \$)</b>	<b>162</b>	<b>201</b>	<b>228</b>	<b>288</b>	<b>301</b>	<b>308</b>	<b>341</b>	<b>346</b>	<b>363</b>	<b>355</b>	<b>377</b>	<b>405</b>
<b>Agricultural production index (1957 = 100)</b>	<b>84</b>	<b>100</b>	<b>101</b>	<b>126</b>	<b>130</b>	<b>126</b>	<b>142</b>	<b>146</b>	<b>148</b>	<b>148</b>	<b>146</b>	<b>151</b>
Total grain (million metric tons)	161	191	194	243	246	240	266	275	284	285	286	295
Cotton (million metric tons)	1.3	1.6	1.6	2.0	2.2	2.1	2.6	2.5	2.4	2.3	2.0	2.2
Hogs (million head)	90	115	168	226	251	261	...	287	...	...	290	...
<b>Industrial production index (1957 = 100)</b>	<b>48</b>	<b>100</b>	<b>199</b>	<b>316</b>	<b>349</b>	<b>385</b>	<b>436</b>	<b>455</b>	<b>502</b>	<b>502</b>	<b>572</b>	<b>646</b>
<b>Producer goods index (1957 = 100)</b>	<b>39</b>	<b>100</b>	<b>211</b>	<b>350</b>	<b>407</b>	<b>452</b>	<b>513</b>	<b>536</b>	<b>602</b>	<b>...</b>	<b>...</b>	<b>...</b>
<b>Machinery index (1957 = 100)</b>	<b>33</b>	<b>100</b>	<b>257</b>	<b>586</b>	<b>711</b>	<b>795</b>	<b>930</b>	<b>992</b>	<b>1,156</b>	<b>...</b>	<b>...</b>	<b>...</b>
Electric generators (million kW)	Negl	0.3	0.8	2.3	2.9	3.6	4.3	5.1	6.0	6.6	...	...
Machine tools (thousand units)	13.7	28.3	45.0	70.0	75.0	75.0	80.0	85.0	90.0	85.0	...	...
Tractors (thousand 15-hp units)	0	0	23.9	79.0	114.6	136.0	166.0	150.0	180.0	190.9	221.8	271.0
Trucks (thousand units)	0	7.5	30.0	70.0	86.0	100.0	110.0	121.0	133.0	135.0	150.0	181.0
Locomotives (units)	20	167	50	435	455	475	495	505	530	530	555	...
Freight cars (thousand units)	5.8	7.3	6.6	12.0	14.0	15.0	16.0	16.8	18.5	19.0	21.0	...
Merchant ships (thousand metric tons)	6.1	46.4	50.6	121.5	148.0	164.6	209.4	288.4	313.6	318.8	...	...
<b>Other producer goods index (1957 = 100)</b>	<b>41</b>	<b>100</b>	<b>200</b>	<b>294</b>	<b>336</b>	<b>371</b>	<b>415</b>	<b>429</b>	<b>472</b>	<b>...</b>	<b>...</b>	<b>...</b>
Electric power (billion kWh)	7.3	19.3	42.0	72.0	86.0	93.0	101.0	108.0	121.0	128.0	141.0	162
Coal (million metric tons)	66.5	130.7	232.2	327.4	353.6	376.5	398.1	410.6	479.6	488.0	546.6	605
Crude oil (million metric tons)	0.4	1.5	11.0	28.2	36.7	43.1	54.8	65.8	74.3	83.6	90.3	100.3
Crude steel (million metric tons)	1.3	5.4	12.2	17.8	21.0	23.0	25.0	21.0	24.0	21.0	24.0	31.7
Chemical fertilizer (million metric tons)	0.2	0.8	7.6	14.0	16.8	19.8	24.8	24.9	28.8	24.3	38.0	48
Cement (million metric tons)	2.9	6.9	16.3	26.6	31.0	38.1	41.0	37.3	47.1	49.3	56.2	67.8
Timber (million cubic meters)	11.2	27.9	27.2	29.9	30.7	33.2	34.2	35.2	36.2	36.7	37.2	39.2
Paper (million metric tons)	0.6	1.2	3.6	5.0	5.1	5.6	6.0	6.5	6.9	7.0	7.1	...
<b>Consumer goods index (1957 = 100)</b>	<b>60</b>	<b>100</b>	<b>183</b>	<b>272</b>	<b>272</b>	<b>295</b>	<b>334</b>	<b>347</b>	<b>368</b>	<b>...</b>	<b>...</b>	<b>...</b>
Cotton cloth (billion linear meters)	3.8	5.0	5.7	8.5	...	...	...	...	9.6	8.9	10.0	11.1
Wool cloth (million linear meters)	4.2	18.2	...	...	...	...	...	65.2	...	...	...	...
Processed sugar (million metric tons)	0.5	0.9	1.5	1.8	1.9	1.9	2.2	2.2	2.3	...	...	...
Bicycles (million units)	0.1	0.8	1.8	3.6	4.0	4.3	4.9	5.2	5.5	...	...	...
<b>Foreign trade (billion current US \$)</b>	<b>1.9</b>	<b>3.1</b>	<b>3.9</b>	<b>4.3</b>	<b>4.8</b>	<b>6.0</b>	<b>10.3</b>	<b>14.1</b>	<b>14.6</b>	<b>13.3</b>	<b>15.1</b>	<b>20.8</b>
Exports, f.o.b.	0.9	1.6	2.0	2.1	2.5	3.2	5.1	6.7	7.2	7.3	8.0	10.2
Imports, c.i.f.	1.0	1.4	1.8	2.2	2.3	2.8	5.2	7.4	7.4	6.0	7.1	10.6

<sup>1</sup> Preliminary.

**China: Trends in Aggregate Performance**

**Figure 1A**

Index: 1957=100



Unclassified

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Table 2A

## China: Indicators of Aggregate Performance

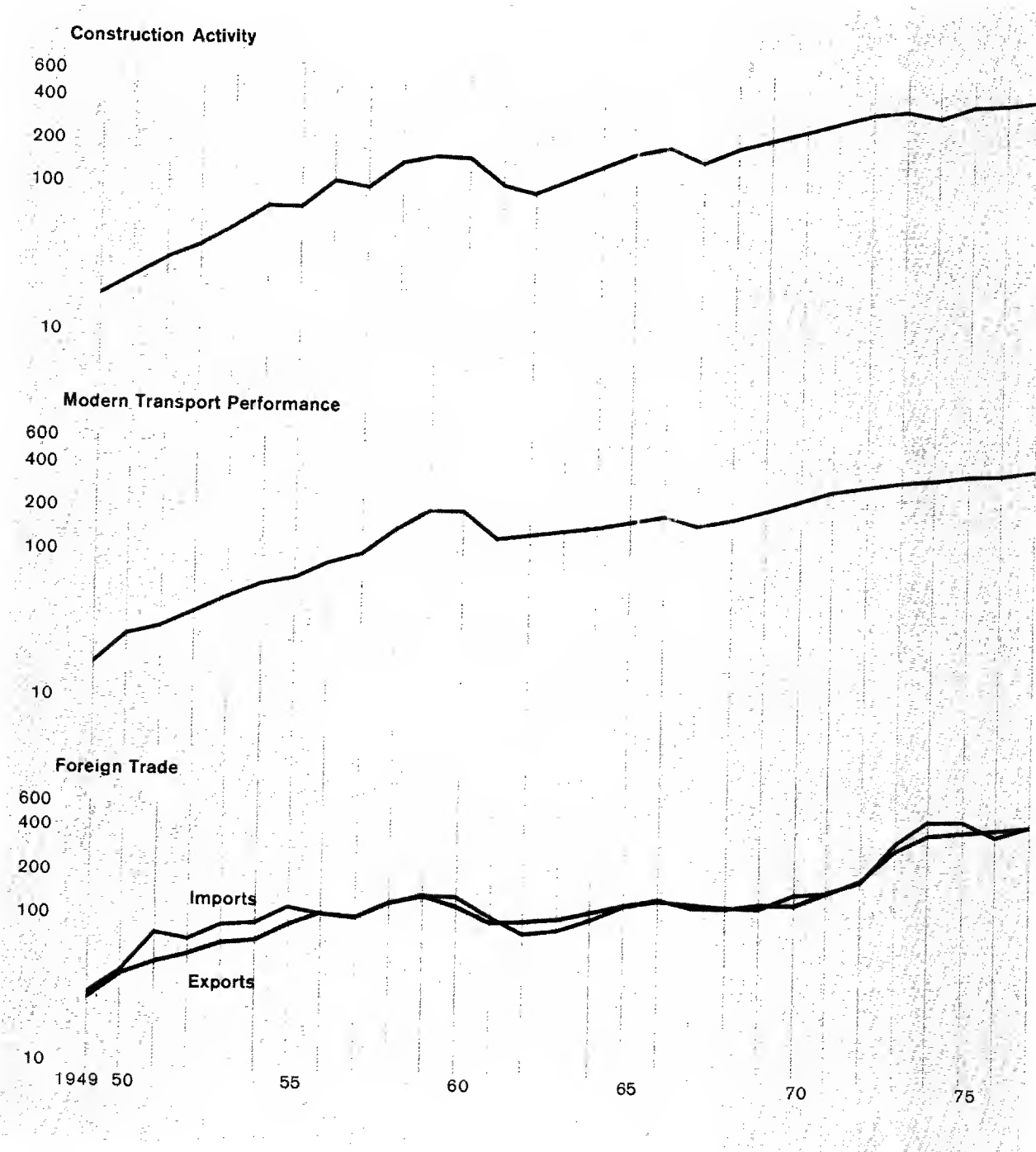
	Gross National Product (Billion 1977 US \$)	Index: 1957 = 100		Average Annual Rates of Growth <sup>1</sup> (Percent)					
		Agricultural Production	Industrial Production	1949	1952	1957	1965	1970	1975
1949	54	54	20	Gross National Product					
1950	67	64	27	1952	19				
1951	78	72	38	1957	11	7			
1952	92	84	48	1965	7	5	4		
1953	98	84	61	1970	7	6	5	7	
1954	102	84	70	1975	7	6	6	7	7
1955	112	94	73	1977	7	6	5	7	6
1956	121	97	88						4
1957	128	100	100	Agricultural Production					
1958	153	107	142	1952	16				
1959	145	83	173	1957	8	4			
1960	141	74	181	1965	4	2	Negl		
1961	112	78	105	1970	4	2	2	5	
1962	122	87	111	1975	4	2	2	4	3
1963	137	93	134	1977	4	2	2	3	2
1964	153	98	161						-1
1965	172	101	199	Industrial Production					
1966	196	112	232	1952	34				
1967	188	118	202	1957	22	16			
1968	189	110	221	1965	15	12	9		
1969	210	112	266	1970	14	11	9	10	
1970	244	126	316	1975	13	11	9	10	10
1971	261	130	349	1977	13	10	9	9	9
1972	273	126	385						7
1973	308	142	436						
1974	320	146	455						
1975	342	148	502						
1976	342	148	502						
1977	370	146	572						

<sup>1</sup> The years across are base years; the years down are end-of-period years.



China: Trends in Aggregate Performance  
Index: 1957=100

Figure 1B



Unclassified

578141 1-79

Table 2B

## China: Indicators of Aggregate Performance

	Index: 1957 = 100		Foreign Trade (Billion Current US \$)		Average Annual Rates of Growth <sup>1</sup> (Percent)					
	Construction Activity	Modern Transport Performance	Exports, f.o.b.	Imports, c.i.f.	1949	1952	1957	1965	1970	1975
1949	18	16	0.4	0.4	Construction Activity					
1950	24	27	0.6	0.6						
1951	33	31	0.8	1.1	1952	28				
1952	39	39	0.9	1.0	1957	24	21			
					1965	15	13	8		
1953	53	49	1.0	1.3	1970	14	11	8	8	
1954	72	62	1.1	1.3	1975	13	11	8	8	9
1955	73	65	1.4	1.7	1977	12	10	8	8	8
1956	110	87	1.6	1.5						7
1957	100	100	1.6	1.4	Modern Transport Performance					
1958	149	148	1.9	1.8	1952	35				
1959	173	199	2.2	2.1	1957	26	21			
1960	161	193	2.0	2.0	1965	16	12	7		
1961	102	131	1.5	1.5	1970	14	11	7	8	
1962	92	135	1.5	1.2	1975	13	11	8	8	9
1963	116	148	1.6	1.2	1977	13	10	8	8	8
1964	140	157	1.8	1.5						7
1965	182	175	2.0	1.8	Foreign Trade: Exports					
1966	197	196	2.2	2.0	1952	30				
1967	157	166	2.0	2.0	1957	19	13			
1968	202	176	2.0	1.8	1965	11	7	3		
1969	230	211	2.1	1.8	1970	8	5	2	1	
1970	265	254	2.1	2.2	1975	12	10	9	13	28
					1977	11	9	8	12	21
1971	299	297	2.5	2.3						5
1972	351	314	3.2	2.8	Foreign Trade: Imports					
1973	367	339	5.1	5.2	1952	36				
1974	335	356	6.7	7.4	1957	17	7			
1975	402	392	7.2	7.4	1965	10	5	3		
1976	413	397	7.3	6.0	1970	9	5	3	4	
1977	459	446	8.0	7.1	1975	12	9	10	15	27
					1977	11	8	8	12	18
										-2

<sup>1</sup> The years across are base years; the years down are end-of-period years.

Table 3

China: Estimated and Projected Population and Vital Rates <sup>1</sup>

	Thousand Persons		Vital Rates per Thousand Persons		
	As of 1 January	As of 1 July	Natural Increase	Births	Deaths
1949	533,543	537,918	12.0	45.4	33.4
1950	542,293	547,364	13.5	45.4	31.9
1951	552,434	558,096	15.1	45.3	30.2
1952	563,759	569,904	18.0	45.2	27.2
1953	576,049	582,600	22.5	45.0	22.5
1954	589,150	596,035	23.1	44.1	21.0
1955	602,920	610,220	23.9	43.3	19.4
1956	617,519	625,112	24.3	42.8	18.5
1957	632,704	640,247	23.6	41.6	18.1
1958	647,790	655,184	22.6	40.6	18.1
1959	662,577	669,727	21.4	40.2	18.8
1960	676,876	683,075	18.2	39.8	21.7
1961	689,274	694,590	15.3	39.7	24.4
1962	699,906	707,011	20.1	38.9	18.8
1963	714,115	721,780	21.2	38.6	17.4
1964	729,444	737,462	21.7	37.7	16.0
1965	745,479	754,017	22.6	37.0	14.4
1966	762,554	771,101	22.2	36.8	14.6
1967	779,647	788,700	23.0	36.7	13.8
1968	797,752	807,251	23.5	37.0	13.4
1969	816,750	826,630	23.9	36.9	13.0
1970	836,510	846,580	23.8	36.1	12.4
1971	856,649	866,651	23.1	34.9	11.8
1972	876,652	886,410	22.0	33.4	11.3
1973	896,168	905,678	21.0	32.0	11.0
1974	915,188	924,449	20.0	30.5	10.5
1975	933,709	943,037	19.8	29.9	10.1
1976	952,364	962,296	19.8	30.7	10.9
1977	971,427	982,531	22.6	32.3	9.7
1978	993,635	1,003,855	20.4	29.7	9.3
1979	1,014,074	1,023,608	18.6	27.6	9.0
1980	1,033,142	1,042,018	17.0	25.8	8.7
1985	1,114,482	1,121,966	13.3	21.3	8.0
1990	1,190,233	1,198,307	13.5	21.3	7.8
1995	1,275,546	1,284,715	14.3	22.2	7.9
2000	1,369,858	1,379,570	14.1	22.1	8.1

<sup>1</sup> These estimates were prepared by the US Department of Commerce, Bureau of the Census, Foreign Demographic Analysis Division, in March 1978.

Table 4

China: Population, by Province <sup>1</sup>

	Thousand Persons, Midyear					
	1953	1958	1965	1970	1975	1977
<b>Total</b> .....	<b>582,603</b>	<b>655,184</b>	<b>754,017</b>	<b>846,580</b>	<b>943,037</b>	<b>982,531</b>
<b>Northeast</b>						
Heilungkiang .....	12,681	16,156	20,886	25,316	29,933	31,823
Kirin .....	12,609	14,361	16,751	18,987	21,318	22,273
Liaoning .....	22,269	26,616	32,536	38,082	43,860	46,225
<b>North</b>						
Hopeh <sup>2</sup> .....	42,394	49,261	57,313	64,853	72,710	75,928
Shansi .....	14,314	16,123	18,584	20,891	23,294	24,278
Inner Mongolia .....	3,532	4,516	5,855	7,108	8,415	8,950
<b>Northwest</b>						
Kansu .....	11,291	13,083	15,310	17,396	19,569	20,459
Ningsia .....	1,637	1,692	1,981	2,251	2,532	2,647
Shensi .....	15,881	18,352	21,716	24,865	28,148	29,492
Sinkiang .....	4,874	5,716	6,861	7,935	9,054	9,512
Tsinghai .....	1,677	2,087	2,645	3,168	3,713	3,936
<b>East</b>						
Anhwei .....	30,663	33,846	38,181	42,242	46,473	48,205
Chekiang .....	22,866	25,519	29,131	32,514	36,040	37,483
Kiangsi .....	16,773	18,792	21,540	24,113	26,796	27,894
Fukien .....	13,143	14,799	17,053	19,164	21,364	22,265
Kiangsu <sup>3</sup> .....	47,137	52,623	60,093	67,089	74,379	77,365
Shantung .....	50,134	54,205	61,870	69,048	76,528	79,591
<b>Central-South</b>						
Honan .....	43,911	49,444	56,156	62,442	68,992	71,674
Hunan .....	33,227	36,516	40,995	45,191	49,562	51,352
Hupei .....	27,790	31,086	35,575	39,780	44,161	45,955
Kwangsi .....	19,561	21,731	24,686	27,454	30,338	31,519
Kwangtung .....	34,770	38,187	42,841	47,199	51,741	53,601
<b>Southwest</b>						
Kweichow .....	15,037	17,073	19,845	22,441	25,145	26,253
Szechwan .....	65,685	72,800	82,489	91,564	101,022	104,893
Yunnan .....	17,473	19,261	21,697	23,977	26,354	27,327
Tibet .....	1,274	1,339	1,427	1,510	1,596	1,631

<sup>1</sup> These estimates were prepared by the US Department of Commerce, Bureau of the Census, Foreign Demographic Analysis Division, in March 1978. All figures reflect post-1971 boundaries and are thus comparable.

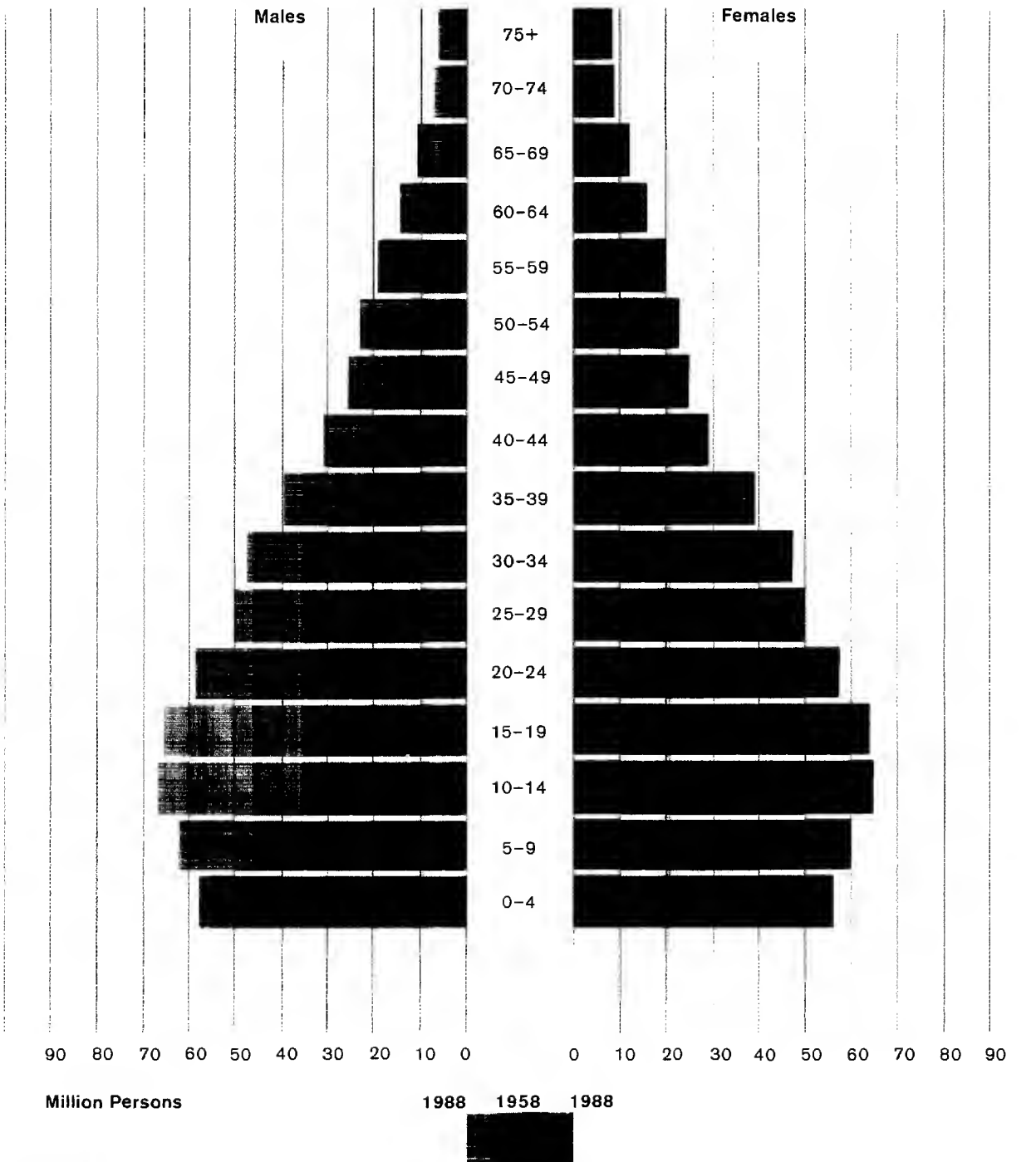
<sup>2</sup> Including Peking and Tientsin.

<sup>3</sup> Including Shanghai.

# **China: Comparison of Age-Sex Distributions, 1958 and 1988**

**Figure 2**

This comparison of 1958 with 1988 shows changes in the age-sex distribution of the Chinese population, some of which are now only beginning to be apparent, but will be much more evident ten years hence.



Unclassified

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Table 5

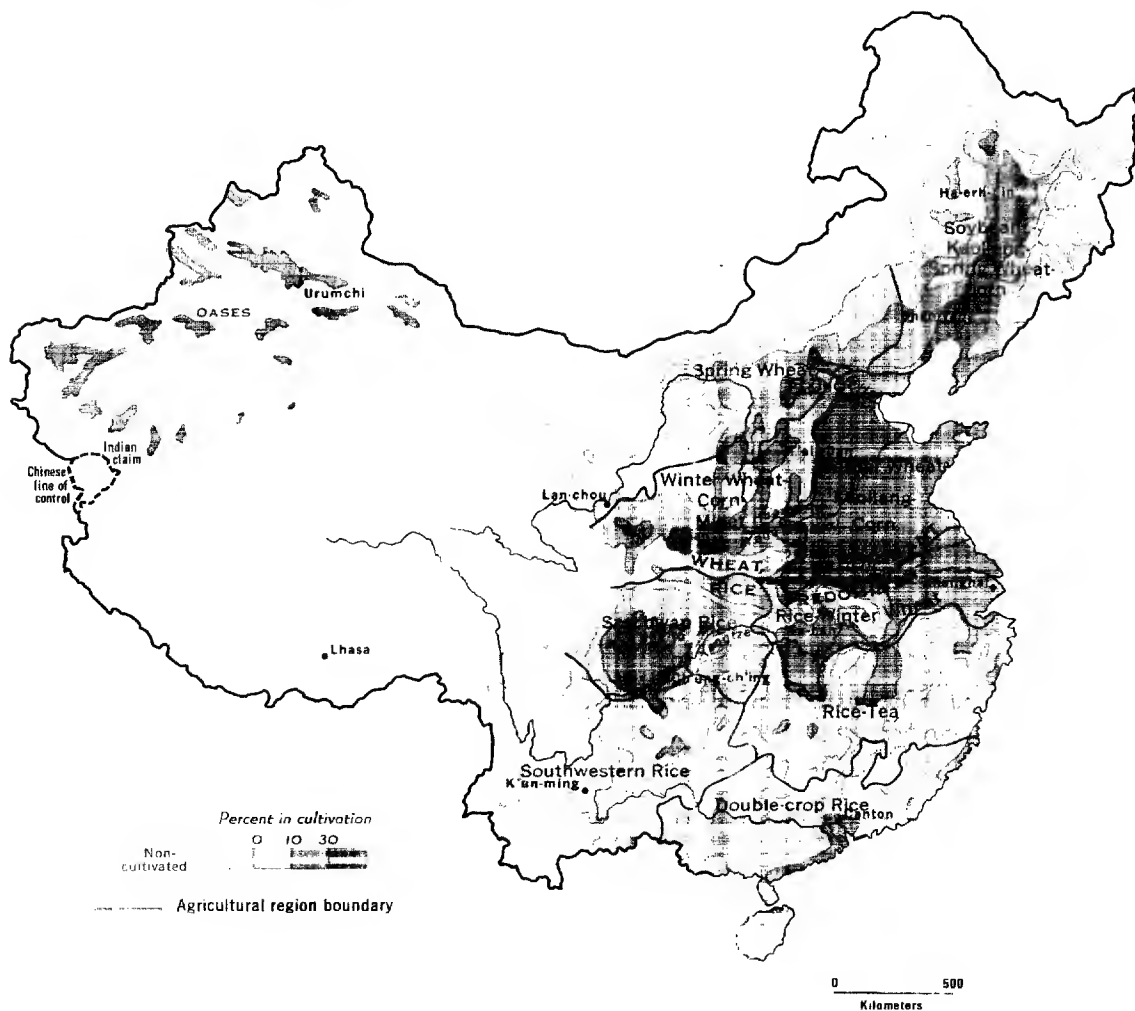
China: Estimated Population, By Age and Sex, 1 July 1978 <sup>1</sup>

	Thousand Persons			Percent			Males per Hundred Females
	Total	Males	Females	Total	Males	Females	
All ages	1,003,855	504,854	499,001	100.00	100.00	100.00	101.2
0-4	134,664	68,427	66,237	13.41	13.55	13.27	103.3
5-9	130,897	66,367	64,530	13.04	13.15	12.93	102.8
10-14	117,619	59,553	58,066	11.72	11.80	11.64	102.6
15-19	102,408	51,644	50,764	10.20	10.23	10.17	101.7
20-24	97,158	49,019	48,139	9.68	9.71	9.65	101.8
25-29	81,353	41,106	40,247	8.10	8.14	8.07	102.1
30-34	62,388	31,933	30,455	6.22	6.33	6.10	104.9
35-39	53,323	27,311	26,012	5.31	5.41	5.21	105.0
40-44	49,735	25,421	24,314	4.95	5.04	4.87	104.6
45-49	43,809	22,011	21,798	4.36	4.36	4.37	101.0
50-54	36,413	17,939	18,474	3.63	3.55	3.70	97.1
55-59	29,652	14,253	15,399	2.95	2.82	3.09	92.6
60-64	23,530	11,137	12,393	2.34	2.21	2.48	89.9
65-69	17,905	8,403	9,502	1.78	1.66	1.90	88.4
70-74	12,260	5,643	6,617	1.22	1.12	1.33	85.3
75 +	10,741	4,687	6,054	1.07	0.93	1.21	77.4

<sup>1</sup> These estimates were prepared by the US Department of Commerce, Bureau of the Census, Foreign Demographic Analysis Division, in March 1978.

China: Agricultural Regions

Figure 3



Unclassified  
573487 7-77

Table 6

China: Production of Major Agricultural Commodities

	Million Metric Tons		
	Grain <sup>1</sup>	Cotton	Raw Sugar
1949	111	0.4	0.198
1950	130	0.7	...
1951	141	1.0	...
1952	161	1.3	0.531
1953	164	1.2	...
1954	166	1.1	...
1955	180	1.5	...
1956	188	1.4	...
1957	191	1.6	0.832
1958	206	1.7	...
1959	171	1.2	...
1960	156	0.9	...
1961	168	0.8	...
1962	180	0.7	...
1963	190	0.9	...
1964	194	1.2	...
1965	194	1.6	1.4
1966	215	1.8	1.4
1967	225	2.0	1.6
1968	210	1.8	1.4
1969	215	1.8	1.4
1970	243	2.0	1.6
1971	246	2.2	1.4
1972	240	2.1	1.6
1973	266	2.6	1.9
1974	275	2.5	1.8
1975	284	2.4	1.8
1976	285	2.3	1.8
1977	286	2.0	1.6

<sup>1</sup> Grain includes soybeans and converts potatoes to a grain equivalency by taking one-fifth of their actual weight.

Table 7

China: Livestock

	Million Head				
	Sheep and Goats				
	Draft Animals	Total	Sheep	Goats	Hogs
1949	60	42	26	16	58
1957	83	99	54	45	115
1962	72	110	...	...	126
1965	...	...	...	...	168
1970	...	...	...	...	226
1971	94	143	...	...	251
1972	95	147	...	...	261
1974	...	...	...	...	287
1977	96	160	96	64	290



Table 8

China: Production, Trade, and Grain Supply <sup>1</sup>

	Million Metric Tons				
	Supply	Domestic Production	Net Imports	Trade	
				Imports	Exports
1949	111	111	0.02	0.02	0
1950	130	130	0.01	0.03	0.02
1951	141	141	-0.13	0	0.13
1952	161	161	-0.26	0	0.26
1953	164	164	-0.43	0	0.43
1954	166	166	-0.50	0	0.50
1955	178	180	-1.60	0	1.60
1956	186	188	-2.02	0	2.02
1957	190	191	-1.47	0	1.47
1958	204	206	-2.25	0	2.25
1959	168	171	-2.96	0	2.96
1960	154	156	-2.15	0	2.15
1961	173	168	4.78	5.56	0.78
1962	184	180	3.68	4.60	0.92
1963	194	190	4.50	5.47	0.97
1964	199	194	5.02	6.31	1.29
1965	199	194	4.78	5.91	1.13
1966	219	215	3.78	5.59	1.81
1967	228	225	3.18	4.94	1.76
1968	213	210	2.83	4.36	1.53
1969	218	215	2.62	3.91	1.29
1970	246	243	3.22	4.63	1.41
1971	248	246	1.75	3.13	1.38
1972	243	240	3.37	4.64	1.27
1973	271	266	5.45	7.90	2.45
1974	280	275	5.09	7.41	2.32
1975	286	284	1.73	3.50	1.77
1976	286	285	0.91	2.09	1.18
1977	292	286	6.44	7.27	0.83

<sup>1</sup> Including soybeans and converts potatoes to a grain equivalency by taking one-fifth of their actual weight.

Table 9

China: Imports of Grain <sup>1</sup>

	Million Metric Tons					
	Total	Argentina	Australia	Canada	United States	Other
1961	5.6	0.4	2.6	2.3	0	0.4
1962	4.6	0.5	1.2	2.0	0	0.8
1963	5.5	Negl	3.0	1.5	0	1.0
1964	6.3	1.4	2.2	2.1	0	0.6
1965	5.9	1.5	2.8	1.6	0	Negl
1966	5.6	1.6	1.3	2.6	0	0.1
1967	4.9	0.1	2.9	1.1	0	0.9
1968	4.4	0	1.6	2.2	0	0.6
1969	3.9	0	1.8	1.7	0	0.3
1970	4.6	0	2.2	2.0	0	0.4
1971	3.1	0.1	Negl	3.0	0	0
1972	4.6	0	0	3.7	0.9	0
1973	7.6	0.1	0.8	2.4	4.3	0
1974	6.8	0.7	1.3	1.8	2.8	0.2
1975	3.4	0.2	1.4	1.9	0	0
1976	1.9	0	0.9	1.0	0	0
1977	6.9	0.8	3.0	3.1	0	0

<sup>1</sup> Grain in this table excludes soybeans. Imports including soybeans are shown in table 8.

Table 10A

## China: Selected Inputs to the Agricultural Sector

Supply of Chemical Fertilizers <sup>1</sup>  
(Thousand (Metric Tons Nutrient Content)

	Total	Production			Imports
		Nitrogen	Phosphorous	Potassium	
1949	5	5	0	0	0
1950	34	14	0	0	20
1951	67	27	0	0	40
1952	79	39	0	0	40
1953	133	53	0	0	80
1954	205	69	0	0	136
1955	243	84	1	0	158
1956	401	117	14	0	270
1957	429	137	22	0	270
1958	626	202	64	0	360
1959	639	275	94	0	270
1960	710	345	150	0	215
1961	589	280	84	0	225
1962	788	444	104	0	240
1963	1,297	542	215	0	540
1964	1,485	712	416	0	357
1965	2,120	902	578	0	640
1966	2,604	1,046	800	36	722
1967	2,763	883	658	68	1,154
1968	3,128	1,040	761	92	1,235
1969	3,558	1,180	963	100	1,315
1970	4,266	1,562	1,103	116	1,485
1971	4,820	1,900	1,300	140	1,480
1972	5,494	2,345	1,447	152	1,550
1973	6,435	2,930	1,819	168	1,518
1974	6,106	3,165	1,612	180	1,149
1975	6,935	3,661	1,866	207	1,201
1976	5,851	...	...	...	1,009
1977	9,088	4,830	2,462	273	1,523

<sup>1</sup> For domestic production figures in terms of standard weights, see table 14C.

Table 10B

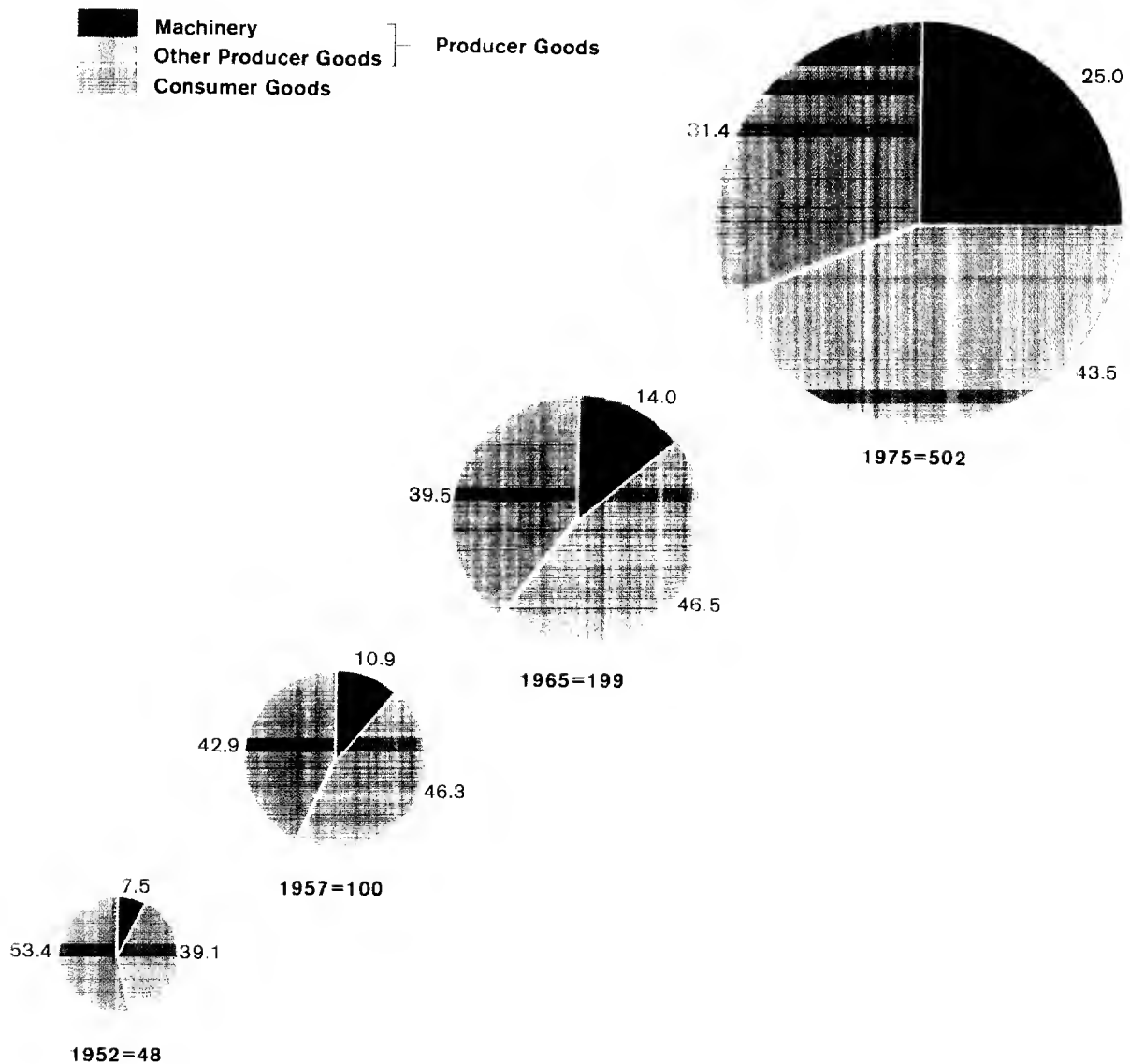
## China: Selected Inputs to the Agricultural Sector

	Tractor Park (Thousand 15-hp Units) <sup>1</sup>			Inventory of Powered Irrigation Equipment <sup>1</sup> (Thousand hp)	Capacity of Rural Hydro- electric Plants (Million kW)
	Total	Conventional	Garden		
1949	0.4	0.4	Negl	97	Negl
1950	1.3	1.3	Negl	...	Negl
1951	1.4	1.4	Negl	118	Negl
1952	2.0	2.0	Negl	...	Negl
1953	2.7	2.7	Negl	...	Negl
1954	5.1	5.1	Negl	...	Negl
1955	8.1	8.1	Negl	338	Negl
1956	19.4	19.4	Negl	508	Negl
1957	24.6	24.6	Negl	560	Negl
1958	45.3	45.3	Negl	1,280	...
1959	59.0	59.0	Negl	2,535	...
1960	79.0	79.0	Negl	4,145	0.5
1961	95.0	95.0	Negl	4,845	...
1962	103.0	103.0	Negl	5,800	...
1963	113.0	113.0	Negl	6,440	...
1964	138.4	137.5	0.9	7,300	...
1965	...	...	0.9	8,450	0.3
1966	153.6	150.0	3.6	9,980	...
1967	...	...	5.6	10,695	...
1968	...	...	8.3	12,742	...
1969	...	...	11.5	14,790	0.5
1970	320.1	300.0	20.1	16,911	0.9
1971	...	...	25.0	20,000	1.2
1972	397.0	351.0	46.0	24,016	1.6
1973	506.0	432.0	74.0	30,000	2.0
1974	...	...	109.4	36,000	2.5
1975	784.5	634.5	150.0	43,000	3.0
1976	...	...	216.1	...	3.5
1977	...	...	...	47,000	4.0

<sup>1</sup> For domestic production of these items, see table 13A.

China: Growth and Structural Changes in Industry  
Percent

Figure 4



Unclassified

These shares are calculated from the value-added indexes in table 11.

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Table 11

China: Selected Indexes of Industrial Production <sup>1</sup>

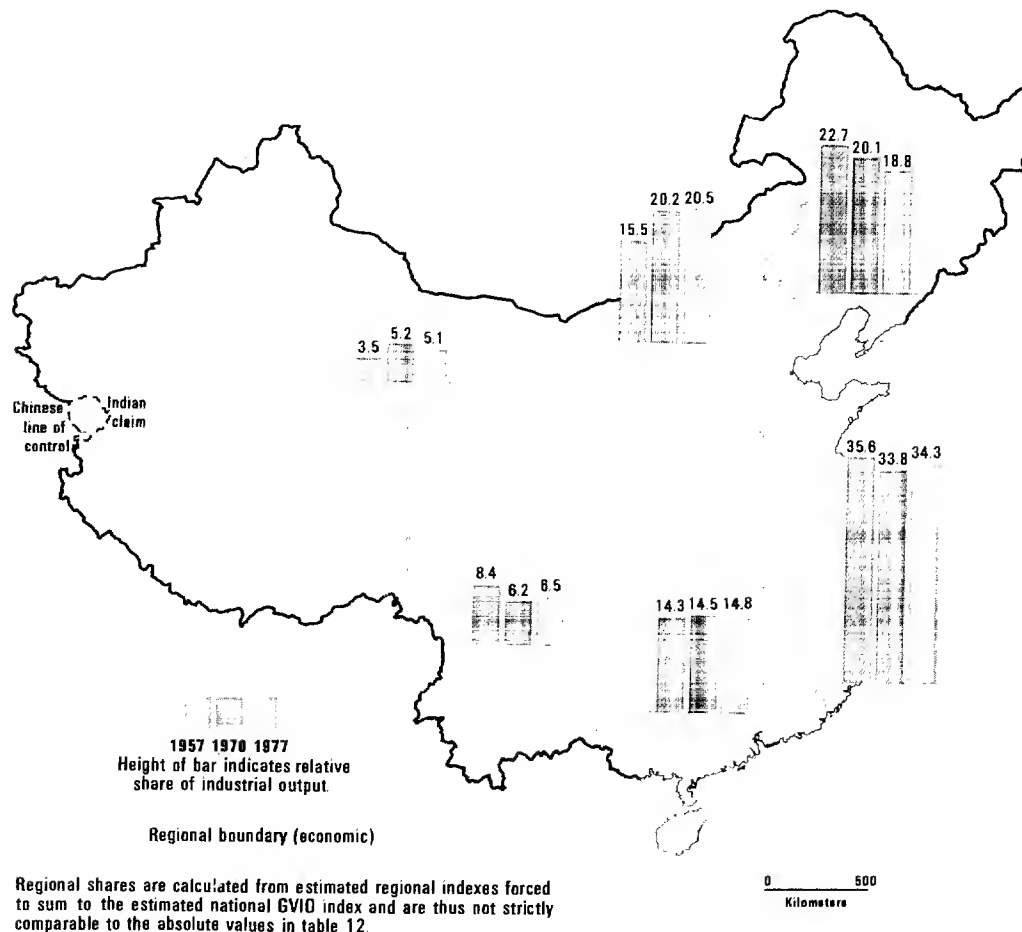
1957 = 100

	Value Added in Industrial Production					Gross Value of Industrial Output
	Producer Goods				Consumer Goods	
	Total	Total	Machinery	Other		
1949	20	14	8	15	28	49
1950	27	21	14	22	36	50
1951	38	30	24	31	48	51
1952	48	39	33	41	60	52
1953	61	51	50	51	73	53
1954	70	62	60	62	82	66
1955	73	66	62	67	81	70
1956	88	84	90	83	94	90
1957	100	100	100	100	100	100
1958	142	161	175	158	117	...
1959	173	204	235	197	131	...
1960	181	232	265	224	114	...
1961	105	123	112	126	80	...
1962	111	132	124	134	83	...
1963	134	153	164	150	109	...
1964	161	180	197	176	135	164
1965	199	211	257	200	183	198
1966	232	251	335	232	206	250
1967	202	208	278	191	196	...
1968	221	226	295	210	215	220
1969	266	290	456	250	233	280
1970	316	350	586	294	272	344
1971	349	407	711	336	272	380
1972	385	452	795	371	295	420
1973	436	513	930	415	334	463
1974	455	536	992	429	347	484
1975	502	602	1,156	472	368	532
1976	...	...	...	...	...	544
1977	...	...	...	...	...	620

<sup>1</sup> The indexes of value added are based on physical output series, whereas the gross value index is a reconstruction of the official index that is based on provincial data.

# China: Changing Regional Shares of Industrial Output

Figure 5



Unclassified

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Table 12

## China: Gross Value of Industrial Output, by Province

Million 1957 Yuan

	1957	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
<b>Northeast</b>														
Heilungkiang .....	3,641	7,971	9,885	...	8,727	10,821	12,639	13,284	13,908	14,922	15,785	17,815	18,563	20,698
Kirin .....	2,155	5,138	6,344	...	...	6,254	7,517	8,014	9,434	...	9,378	10,844	11,237	...
Liaoning .....	10,078	18,900	21,586	...	16,230	24,020	29,232	32,810	34,713	37,977	40,727	43,653	...	...
<b>North</b>														
Peking .....	2,100	5,602	6,767	...	6,345	9,068	12,079	14,483	15,685	16,914	18,569	19,607	20,167	20,727
Tientsin .....	3,911	6,882	...	...	7,684	9,835	12,097	13,738	14,703	16,031	17,524	18,748	...	...
Hopeh .....	2,519	6,723	...	...	...	...	13,445	14,534	18,039	20,168	22,648	24,873	21,279	24,556
Shansi .....	1,645	...	...	...	...	...	...	...	...	...	6,264	...	...	...
Inner Mongolia .....	631	3,009	3,321	...	...	...	4,487	5,452	6,018	...	6,018	...	...	...
<b>East</b>														
Shanghai .....	11,402	24,163	27,787	...	29,542	33,974	39,002	42,848	46,236	49,905	52,892	56,030	56,663	61,536
Shantung .....	3,640	6,174	...	...	...	9,191	12,565	14,324	15,682	16,188	20,374	20,932	24,796	30,339
Kiangsu .....	4,124	7,865	...	...	9,201	13,106	15,796	18,881	18,520	20,611	23,435	27,465	27,615	32,447
Chekiang .....	2,132	3,902	...	...	4,813	5,295	6,068	6,881	7,809	8,736	7,805	...	6,898	9,362
Anhui .....	1,348	2,409	3,084	...	2,035	2,945	3,828	4,707	5,291	6,137	6,149	7,330	7,809	...
Kiangsi .....	1,100	...	...	...	2,675	3,004	...	...	...	...	5,242	...	...	...
Fukien .....	1,100	1,832	2,207	...	...	2,025	2,531	2,812	3,194	3,577	4,325	4,720	...	...
<b>Central-South</b>														
Honan .....	1,560	3,988	5,168	...	...	5,843	7,654	9,022	10,710	...	11,323	12,761	10,710	...
Hupei .....	2,514	4,140	5,133	...	3,704	5,000	7,500	8,738	...	...	9,238	...	10,337	12,451
Hunan .....	1,634	2,915	3,688	...	2,705	3,990	5,825	6,384	6,996	7,979	8,284	8,284	8,427	10,357
Kwangsi .....	717	1,308	1,635	...	...	1,975	2,433	3,022	3,524	4,082	4,528	5,063	5,246	6,173
Kwangtung .....	3,570	7,735	9,283	...	7,848	10,648	12,553	13,228	14,061	15,968	17,195	19,929	20,928	22,602
<b>Northwest</b>														
Kansu .....	695	2,172	...	2,097	2,760	3,505	4,381	5,591	5,931	6,298	6,769	7,732	7,757	8,579
Shensi .....	1,134	2,898	4,141	...	...	...	5,917	6,857	7,696	8,570	6,517	7,215	7,921	9,978
Ningsia .....	23	76	86	...	...	...	...	...	306	344	359	424	...	...
Tsinghai .....	117	344	477	...	394	543	699	898	1,018	1,155	1,259	1,385	1,694	1,957
Sinkiang .....	465	1,152	1,448	...	1,351	1,486	1,526	...	1,861	...	1,861	...	1,927	2,152
<b>Southwest</b>														
Szechwan .....	4,283	6,929	...	...	...	...	...	11,424	11,972	12,930	13,852	17,465	14,221	19,910
Yunnan .....	989	1,503	1,885	...	1,319	1,922	2,306	2,541	2,735	3,195	3,398	3,447	2,579	3,740
Kweichow .....	562	1,624	2,105	...	...	...	...	...	...	3,248	3,158	4,548	3,991	5,958
Tibet .....	9	26	...	25	37	...	...	50	61	72	89	109	111	125



Table 13A

## China: Production of Selected Types of Machinery

	Electric Generators (kW)	Machine Tools (Units) <sup>1</sup>	Spindles (Units)	Sewing Machines (Thousand Units)	Powered Irrigation Equipment <sup>2</sup> (Thousand hp)	Tractors <sup>2</sup> (15-hp Units)		
						Total	Conventional <sup>3</sup>	Garden <sup>3</sup>
1949	10,181	1,582	...	...	0	0	0	0
1950	22,798	3,312	...	...	0	0	0	0
1951	31,731	5,853	131,984	...	0	0	0	0
1952	29,678	13,734	383,128	...	0	0	0	0
1953	59,525	20,502	287,424	257	0	0	0	0
1954	54,617	15,901	489,044	316	0	0	0	0
1955	107,595	13,708	304,400	174	0	0	0	0
1956	288,263	25,928	784,020	206	170	0	0	0
1957	312,200	28,297	484,000	278	52	0	0	0
1958	1,425,000	30,000	1,000,000	637	720	1,100	1,100	0
1959	...	35,000	1,360,000	563	1,255	9,400	9,400	0
1960	...	40,000	...	676	1,610	23,800	23,800	0
1961	...	30,000	...	...	700	16,200	16,200	0
1962	...	25,000	...	...	955	13,100	13,100	0
1963	...	35,000	...	...	640	15,700	15,700	0
1964	625,000	40,000	700,000	1,257	607	19,450	19,300	150
1965	800,000	45,000	1,400,000	1,571	809	23,875	23,000	875
1966	1,000,000	50,000	...	...	1,079	34,625	32,000	2,625
1967	1,200,000	40,000	...	...	1,161	29,100	27,000	2,100
1968	1,500,000	45,000	...	...	...	32,675	30,000	2,675
1969	1,800,000	55,000	...	1,800	...	43,200	40,000	3,200
1970	2,300,000	70,000	...	2,400	...	79,000	70,000	9,000
1971	2,900,000	75,000	...	3,000	2,644	114,625	105,000	9,625
1972	3,600,000	75,000	...	3,300	3,716	136,000	115,000	21,000
1973	4,300,000	80,000	...	3,894	5,986	166,000	138,000	28,000
1974	5,100,000	85,000	...	...	9,708	150,000	120,000	30,000
1975	6,000,000	90,000	...	...	11,370	180,000	140,000	40,000
1976	6,600,000	85,000	...	...	...	190,925	128,800	62,125
1977	...	...	...	...	...	221,750	147,200	74,550

<sup>1</sup> Official Chinese sources have not indicated that these are standardized units.<sup>2</sup> For inventories of these items, see table 10B.<sup>3</sup> Conventional tractors are four-wheel or tracked riding prime movers. Garden tractors are designed to be guided by a nonriding operator. They may also be attached to towable loads or used as independent power sources.

Table 13B

## China: Production of Selected Types of Machinery

	Mainline Locomotives <sup>1</sup>				Fright Cars <sup>1</sup> (Units)	Merchant Ships <sup>1</sup> (LSD Metric Tons)	Trucks <sup>1</sup> (Units)
	Total	Steam	Diesel	Electric			
1949	0	0		0	3,155	0	0
1950	0	0	0	0	696	0	0
1951	0	0	0	0	2,882	0	0
1952	20	20	0	0	5,792	6,100	0
1953	10	10	0	0	4,501	14,800	0
1954	52	52	0	0	5,446	31,400	0
1955	98	98	0	0	9,258	50,200	0
1956	184	184	0	0	7,122	51,200	1,654
1957	167	167	0	0	7,300	46,400	7,500
1958	350	346	2	2	11,000	61,300	16,000
1959	533	530	3	0	17,000	54,300	19,400
1960	602	600	0	2	23,000	23,600	15,000
1961	100	100	0	0	3,000	18,800	1,000
1962	25	25	0	0	4,000	13,500	8,400
1963	27	25	0	2	5,900	23,400	16,800
1964	27	25	2	0	5,700	31,000	20,300
1965	50	20	30	0	6,600	50,600	30,000
1966	220	150	70	0	7,500	55,900	43,000
1967	300	200	100	0	6,900	48,200	32,000
1968	340	200	140	0	8,700	64,500	27,000
1969	391	230	160	1	11,000	93,100	60,000
1970	435	250	180	5	12,000	121,500	70,000
1971	455	250	200	5	14,000	148,000	86,000
1972	475	250	220	5	15,000	164,600	100,000
1973	495	250	240	5	16,000	209,400	110,000
1974	505	250	250	5	16,800	288,400	121,000
1975	530	250	275	5	18,500	313,600	133,000
1976	530	250	275	5	19,000	318,800	135,000
1977	555	250	300	5	21,000	...	150,000

<sup>1</sup> For inventories of these items, see table 23.

Table 14A

## China: Production of Selected Producer Goods

	Electric Power <sup>1</sup> (Million kWh)			Natural Gas <sup>1</sup> (Million Cubic Meters)	Crude Oil <sup>1,2</sup> (Million Metric Tons)	Coal <sup>1</sup> (Thousand Metric Tons)		
	Total	Hydroelectric	Thermal			Total	Large Mines	Small Mines
1949	4,300	700	3,600	Negl	0.121	32,430	22,117	10,313
1950	4,600	800	3,800	Negl	0.200	42,920	32,607	10,313
1951	5,800	1,000	4,800	Negl	0.305	53,090	45,405	7,685
1952	7,300	1,300	6,000	Negl	0.436	66,490	56,184	10,306
1953	9,200	1,500	7,700	...	0.622	69,680	61,527	8,153
1954	11,000	2,200	8,800	...	0.789	83,660	75,545	8,115
1955	12,300	2,400	9,900	...	0.966	98,300	89,650	8,650
1956	16,600	3,500	13,100	...	1.163	110,360	101,862	8,498
1957	19,300	4,700	14,600	600	1.458	130,732	...	...
1958	28,000	5,500	22,500	...	2.264	230,000	...	...
1959	42,000	7,800	34,200	...	3.700	300,000	...	...
1960	47,000	9,000	38,000	...	5.100	280,000	...	...
1961	31,000	8,000	23,000	...	5.186	170,000	...	...
1962	30,000	6,000	24,000	...	5.746	185,000	...	...
1963	33,000	6,000	27,000	...	6.360	200,000	...	...
1964	36,000	7,000	29,000	...	8.653	215,000	...	...
1965	42,000	9,000	33,000	9,200	10.961	232,200	197,370	34,830
1966	50,000	10,000	40,000	..	14.074	271,400	...	...
1967	45,000	10,000	35,000	...	13.900	190,000	...	...
1968	50,000	12,000	38,000	...	15.200	235,800	...	...
1969	60,000	15,000	45,000	...	20.377	281,600	...	...
1970	72,000	18,000	54,000	20,700	28.211	327,400	240,600	86,800
1971	86,000	21,000	65,000	...	36.700	353,600	...	...
1972	93,000	23,000	70,000	...	43.065	376,500	...	...
1973	101,000	25,000	76,000	...	54.804	398,100	286,640	111,460
1974	108,000	27,000	81,000	...	65.765	410,600	...	...
1975	121,000	30,000	91,000	34,600	74.261	479,600	330,900	148,700
1976	128,000	32,000	96,000	38,020	83.608	488,000	325,300	162,700
1977	141,000	35,000	106,000	47,140	90.300	546,600	364,400	182,200

<sup>1</sup> For further information on these items, see table 18 and other items in the energy section.<sup>2</sup> For exports of petroleum and petroleum products, see table 29.

Table 14B

## China: Production of Selected Producer Goods

Thousand Metric Tons

	Standard Iron Ore <sup>1</sup>	Pig Iron			Crude Steel			Finished Steel <sup>2</sup>
		Total	Large Plants	Medium and Small Plants	Total	Large Plants	Medium and Small Plants	
1949	504	252	231	21	158	...	...	123
1950	2,156	978	928	50	606	...	...	360
1951	2,446	1,148	1,056	92	896	...	...	690
1952	4,218	1,929	1,812	117	1,349	1,276	73	1,110
1953	4,908	2,234	2,098	136	1,774	1,618	156	1,490
1954	6,728	3,114	2,940	174	2,225	1,979	246	1,770
1955	8,464	3,872	3,688	184	2,853	2,486	367	2,220
1956	10,462	4,826	4,674	152	4,465	3,974	491	3,220
1957	12,262	5,936	...	...	5,350	...	...	4,290
1958	27,280	13,690	9,530	4,160	11,080	8,000	3,080	6,100
1959	40,990	20,500	9,450	11,050	13,350	8,630	4,720	8,100
1960	54,920	27,500	13,750	13,750	18,670	12,450	6,220	11,300
1961	17,270	8,800	...	...	8,000	...	...	6,000
1962	17,630	8,800	...	...	8,000	...	...	6,000
1963	19,840	9,900	...	...	8,000	...	...	6,000
1964	23,840	11,900	...	...	9,600	...	...	8,100
1965	27,820	13,800	12,600	1,200	12,200	11,600	600	9,100
1966	33,520	16,600	...	...	15,000	...	...	10,900
1967	26,650	13,200	...	...	10,000	...	...	7,500
1968	30,870	15,400	...	...	9,000	...	...	6,700
1969	35,220	17,600	16,200	1,400	16,000	...	...	12,000
1970	43,970	22,000	18,100	3,900	17,800	16,100	1,700	13,400
1971	54,170	27,100	20,200	6,900	21,000	18,600	2,400	15,400
1972	60,770	30,400	22,200	8,200	23,000	20,200	2,800	16,100
1973	67,340	33,700	24,100	9,600	25,000	21,800	3,200	17,500
1974	61,050	31,400	22,500	8,900	21,000	...	...	14,700
1975	67,600	33,800	24,300	9,500	24,000	...	...	16,800
1976	57,600	28,800	20,700	8,100	21,000	18,700	2,300	14,700
1977	64,800	32,400	23,300	9,100	24,000	20,500	3,500	16,000

<sup>1</sup> The standard used contains 55 percent iron ore.<sup>2</sup> See table 16 for finished steel inputs to construction.

Table 14C

## China: Production of Selected Producer Goods

Thousand Metric Tons

Chemical Fertilizers <sup>1</sup>

	Total	Nitrogen <sup>2</sup>			Phosphorous <sup>3</sup>			Potassium <sup>4</sup>
		Total	Large Plants	Small Plants	Total	Large Plants	Small Plants	
1949	27	27	27	0	0	0	0	0
1950	70	70	70	0	0	0	0	0
1951	137	137	137	0	0	0	0	0
1952	194	194	194	0	0	0	0	0
1953	263	263	263	0	0	0	0	0
1954	343	343	343	0	0	0	0	0
1955	426	418	418	0	8	8	0	0
1956	663	586	586	0	77	77	0	0
1957	803	683	683	0	120	120	0	0
1958	1,354	1,010	1,010	0	344	344	0	0
1959	1,876	1,376	1,376	0	500	500	0	0
1960	2,523	1,723	1,723	0	800	600	200	0
1961	1,850	1,400	1,380	20	450	338	112	0
1962	2,775	2,220	2,160	60	555	355	200	0
1963	3,857	2,708	2,608	100	1,149	501	648	0
1964	5,785	3,560	3,329	231	2,225	600	1,625	0
1965	7,600	4,508	3,967	541	3,092	618	2,474	0
1966	9,600	5,229	4,288	941	4,281	1,141	3,140	90
1967	8,100	4,413	3,213	1,200	3,517	1,005	2,512	170
1968	9,500	5,200	3,500	1,700	4,070	1,375	2,695	230
1969	11,300	5,900	3,800	2,100	5,150	1,500	3,650	250
1970	14,000	7,810	4,450	3,360	5,900	1,550	4,350	290
1971	16,800	9,500	4,750	4,750	6,950	1,620	5,330	350
1972	19,841	11,723	5,744	5,979	7,738	1,934	5,804	380
1973	24,801	14,652	6,740	7,912	9,729	2,432	7,297	420
1974	24,900	15,826	6,963	8,863	8,624	2,501	6,123	450
1975	28,800	18,305	7,688	10,617	9,978	3,293	6,685	517
1976	24,320	...	...	...	...	...	...	...
1977	38,000	24,152	10,144	14,008	13,165	4,345	8,820	682

<sup>1</sup> See table 10A for production series in nutrient weight.<sup>2</sup> Standard units of 20 percent nitrogen.<sup>3</sup> Standard units of 18.7 percent phosphoric acid.<sup>4</sup> Standard units of 40 percent potassium oxide.

Table 14D

## China: Production of Selected Producer Goods

	Cement <sup>1</sup> (Thousand Metric Tons)			Timber <sup>1,2</sup> (Thousand Cubic Meters)	Paper (Thousand Metric Tons)
	Total	Large Plants	Small Plants		
1949	660	660	0	5,670	228
1950	1,410	1,410	0	6,640	380
1951	2,490	2,490	0	7,640	492
1952	2,860	2,860	0	11,200	603
1953	3,880	3,880	0	17,530	667
1954	4,600	4,600	0	22,270	842
1955	4,500	4,500	0	20,930	839
1956	6,390	6,390	0	20,840	998
1957	6,860	6,860	0	27,870	1,221
1958	10,700	9,300	1,400	28,937	1,630
1959	12,270	10,570	1,700	32,022	1,949
1960	12,000	9,000	3,000	28,668	1,825
1961	7,800	6,000	1,800	19,335	1,388
1962	6,900	5,300	1,600	20,940	2,118
1963	9,100	6,800	2,300	22,971	2,599
1964	10,900	8,700	2,200	26,417	3,220
1965	16,280	10,900	5,380	27,183	3,611
1966	17,900	12,500	5,400	27,971	3,923
1967	14,200	10,600	3,600	22,044	3,246
1968	19,600	13,700	5,900	22,044	3,344
1969	22,540	14,400	8,140	26,438	4,219
1970	26,600	15,100	11,500	29,875	5,000
1971	31,000	18,600	12,400	30,741	5,066
1972	38,100	19,800	18,300	33,200	5,606
1973	41,000	20,500	20,500	34,163	6,032
1974	37,300	16,000	21,300	35,154	6,500
1975	47,100	19,400	27,700	36,173	6,941
1976	49,300	19,700	29,600	36,701	7,040
1977	56,200	20,200	36,000	37,226	7,140

<sup>1</sup> See table 16 for construction use of these products.<sup>2</sup> See table 17 for a distribution of timber use.

Table 15

## China: Production of Selected Consumer Goods

	Million Linear Meters	Thousand Linear Meters	Thousand Metric Tons	Thousand Units						
	Cotton Cloth	Wool Cloth	Silk Cloth	Processed Sugar	Wine and Liquor	Bicycles	Thermos Bottles	Radio Sets	Television Sets	Watches
1949	1,889	5,435	50,160	199	...	14	...	...	...	...
1950	2,522	4,880	51,120	242	...	21	...	...	...	...
1951	3,058	4,025	63,300	300	...	44	...	...	...	...
1952	3,829	4,233	64,760	451	230	80	5,536	17	...	...
1953	4,685	6,227	73,800	638	...	165	12,007	25	...	...
1954	5,230	7,823	78,250	693	...	298	14,841	28	...	...
1955	4,361	10,271	93,970	717	...	335	17,958	151	...	...
1956	5,770	14,267	118,610	807	520	640	16,310	270	...	...
1957	5,050	18,170	144,560	864	730	...	...	...	...	...
1958	5,700	26,280	194,840	900	...	806	20,870	390	...	...
1959	...	31,400	200,000	1,130	...	1,174	27,611	1,200	...	...
1960	...	...	...	920	...	1,479	37,000	1,560	...	...
1961	...	...	...	700	...	1,840	...	1,500	...	650
1962	...	23,920	...	480	...	634	...	1,250	2	...
1963	...	27,175	300,960	510	805	1,000	...	1,000	3	...
1964	...	...	...	1,030	...	1,101	33,216	1,000	3	...
1965	5,727	...	...	1,460	...	1,209	...	1,000	5	...
1966	...	...	...	1,710	...	1,792	...	1,500	5	1,200
1967	...	...	...	1,900	...	...	...	1,500	8	...
1968	...	...	...	1,900	...	2,044	...	1,500	5	...
1969	...	...	...	1,700	...	2,412	...	2,000	5	...
1970	8,500	...	...	1,790	...	3,026	...	2,500	10	...
1971	...	...	401,280	1,890	...	3,640	...	4,600	15	...
1972	...	...	...	1,870	...	4,030	...	6,000	20	6,200
1973	...	...	...	2,230	...	4,300	...	6,700	40	6,950
1974	...	65,220	...	2,190	...	4,859	...	12,100	75	7,800
1975	9,565	...	...	2,300	...	5,194	...	15,000	115	...
1976	8,888	...	...	...	...	5,460	...	18,000	205	...
1977	10,043	...	...	...	...	...	...	...	163	12,060
									245	14,400

<sup>1</sup> See table 30 for per capita consumption of cotton cloth.

Table 16

China: Selected Material Inputs to Construction

	Building Materials Index of Construction Activity (1957=100)	Cement <sup>1</sup> (Million Metric Tons)	Timber <sup>1</sup> (Million Cubic Meters)	Steel <sup>2</sup> (Million Metric Tons)
1949	18.2	0.661	5.21	0.056
1950	23.8	1.410	5.81	0.120
1951	32.9	2.490	6.78	0.249
1952	38.6	2.860	7.88	0.315
1953	52.8	3.530	8.56	0.762
1954	72.0	4.270	13.29	0.912
1955	73.1	4.080	12.68	1.064
1956	109.8	5.590	16.42	2.013
1957	100.0	5.560	15.71	1.668
1958	149.4	9.8	19.62	2.772
1959	172.6	11.5	22.20	3.237
1960	160.8	11.2	20.60	2.955
1961	101.7	6.8	14.13	1.769
1962	92.0	5.8	14.12	1.479
1963	115.7	8.2	15.23	2.055
1964	139.6	10.2	17.24	2.582
1965	182.3	15.3	18.43	3.608
1966	197.4	16.9	19.09	3.972
1967	156.8	13.7	14.21	3.238
1968	201.8	19.3	14.51	4.413
1969	230.5	22.2	17.65	4.878
1970	265.0	26.2	20.25	5.521
1971	298.6	30.3	21.02	6.342
1972	350.6	37.3	22.59	7.469
1973	367.1	39.8	23.14	7.777
1974	335.0	36.3	23.38	6.816
1975	401.7	45.6	24.12	8.376
1976	412.8	47.6	24.23	8.575
1977	459.3	54.7	24.60	9.597

<sup>1</sup> See table 14D for domestic production of these items.

<sup>2</sup> See table 14B for domestic production.



Table 17

## China: Net Deliveries of Timber and Its End Uses

Thousand Cubic Meters

	Net Deliveries <sup>1</sup>	Construction	Mining	Railroads	Paper <sup>2</sup>	Miscel- laneous
1949	5,670	2,325	1,096	1,790	191	268
1950	6,837	2,358	1,452	2,003	318	706
1951	8,244	2,940	1,703	2,133	412	1,056
1952	9,941	3,688	1,922	2,265	505	1,560
1953	11,987	4,464	2,072	2,021	558	2,872
1954	20,749	8,675	2,493	2,124	705	6,752
1955	17,501	7,396	2,830	2,453	702	4,120
1956	24,825	10,372	3,208	2,840	835	7,570
1957	24,140	9,897	3,411	2,400	1,022	7,410
1958	28,922	11,858	5,291	2,467	1,273	8,033
1959	32,022	13,137	6,798	2,269	1,414	8,404
1960	28,668	11,754	6,439	2,411	1,222	6,842
1961	19,468	7,982	3,957	2,191	852	4,486
1962	21,163	8,677	4,232	1,215	1,182	5,857
1963	23,430	9,606	4,500	1,122	1,450	6,752
1964	26,895	11,027	5,060	1,154	1,796	7,858
1965	28,693	11,764	5,524	1,148	2,009	8,248
1966	29,422	12,063	6,158	868	2,189	8,144
1967	22,113	9,066	4,510	632	1,811	6,094
1968	22,044	9,038	4,762	713	1,866	5,665
1969	26,438	10,840	5,725	1,089	2,354	6,430
1970	29,875	12,249	6,680	1,321	2,790	6,835
1971	30,741	12,604	7,047	1,366	2,827	6,897
1972	33,320	13,661	7,270	1,660	3,128	7,601
1973	34,653	14,208	7,517	1,417	3,366	8,145
1974	35,743	14,655	7,672	1,048	3,627	8,741
1975	36,173	14,831	8,388	897	3,873	8,184
1976	36,700	15,050	8,400	780	3,928	8,542
1977	37,230	15,260	8,600	740	3,984	8,646

<sup>1</sup> Net deliveries are production plus net imports. See table 14D for domestic production.<sup>2</sup> See table 14D for paper production series.

Table 18

China: Crude Oil Production <sup>1</sup>

Million Metric Tons

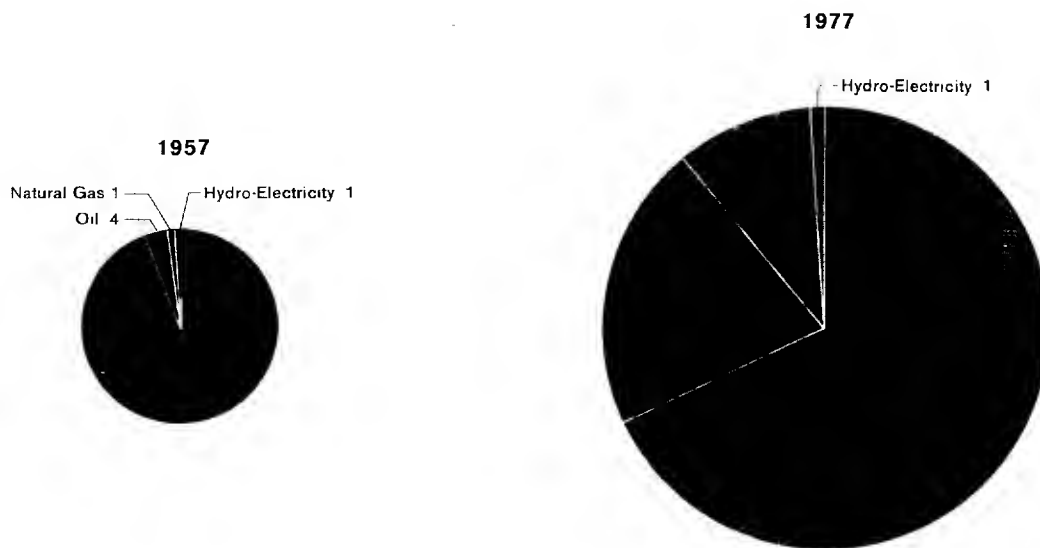
	National	Ta-ch'ing	Sheng-li	Ta-kang	Yu-men	K'o-la-ma-i	Tsaidam <sup>2</sup>	Fu-yu <sup>3</sup>	P'an-shan <sup>4</sup>	Ch'ien-chiang <sup>5</sup>	Residual <sup>6</sup>
1949	0.121	...	...	...	...	...	...	...	...	...	...
1950	0.200	...	...	...	...	...	...	...	...	...	...
1951	0.305	...	...	...	...	...	...	...	...	...	...
1952	0.436	...	...	...	0.143	...	...	...	...	...	...
1953	0.622	...	...	...	0.198	...	...	...	...	...	...
1954	0.789	...	...	...	(0.239) <sup>7</sup>	...	...	...	...	...	...
1955	0.966	...	...	...	0.414	...	...	...	...	...	...
1956	1.163	...	...	...	0.533	...	...	...	...	...	...
1957	1.458	...	...	...	0.755	0.05 <sup>8</sup>	...	...	...	...	...
1958	2.264	...	...	...	1.002	0.25	0.03 <sup>8</sup>	...	...	...	...
1959	3.7	...	...	...	1.337	(0.239)	(0.044)	...	...	...	...
1960	5.1	0.792 <sup>8</sup>	...	...	1.700	(0.226)	(0.058)	...	...	...	...
1961	5.186	(1.022)	...	...	1.600	(0.214)	(0.072)	...	...	...	...
1962	5.746	(2.726)	0.046 <sup>8</sup>	...	(1.303)	0.201	(0.085)	...	...	...	...
1963	6.360	4.427	(0.321)	...	(1.006)	(0.307)	(0.099)	...	...	...	...
1964	8.653	(5.765)	0.596	...	(0.709)	(0.416)	(0.113)	...	...	...	...
1965	10.961	7.106	0.735	...	0.412	0.523	0.127	...	...	...	...
1966	14.074	8.776	2.0	...	(0.414)	(0.473)	(0.135)	...	...	...	...
1967	13.9	(9.045)	(2.625)	0.20 <sup>8</sup>	(0.416)	(0.423)	(0.144)	...	...	...	...
1968	15.2	9.297	(3.250)	(0.34)	(0.417)	(0.373)	(0.152)	...	...	...	...
1969	20.377	12.830	(3.875)	0.48	0.419	0.323	0.160	...	...	...	...
1970	28.211	17.666	4.5	0.96	0.490	0.384	0.165	(1.15)	0.14	(1.15)	1.606
1971	36.700	22.136	6.5	(1.64)	0.544	0.503	0.180	1.44	0.74	(2.21)	0.807
1972	43.065	25.550	8.45	(2.33)	0.620	0.604	0.320	2.58	1.57	3.28	-2.239
1973	54.804	28.298	9.50	3.00	0.676	0.725	0.442	2.83	(2.20)	3.63	3.503
1974	65.765	34.608	11.02	3.74	0.710	1.036	0.530	3.08	2.83	3.97	4.241
1975	74.261	40.072	14.90	4.34	0.785 <sup>7</sup>	1.065 <sup>7</sup>	0.582 <sup>7</sup>	3.25	4.05	4.10	1.117
1976	83.608	43.093	...	...	...	...	...	...	...	...	...
1977	90.300	49.742	...	...	...	...	...	...	...	...	...

<sup>1</sup> Please see foldout map at end of this publication.<sup>2</sup> Consists of three separate fields.<sup>3</sup> Likely upper limits of crude oil production, with parentheses indicating interpolation or extrapolation.<sup>4</sup> The residual is a true error term and may be either positive or negative. It also contains small amounts of shale oil not accounted for elsewhere.<sup>5</sup> Parentheses indicate linear interpolation.<sup>6</sup> First year of production.<sup>7</sup> Time trend analysis, 1969-74.

# China: Shift in Sources of Supply of Primary Energy

Percent

Figure 6



Unclassified

578144 1-79

Table 19

China: Supply of Primary Energy <sup>1</sup>Million Metric Tons of Coal Equivalent <sup>2</sup>

	Total	Coal	Oil	Natural Gas	Hydro-electricity
1952	50	48	2	Negl	Negl
1957	110	103	5	1	1
1965	207	177	17	12	1
1970	319	246	43	27	2
1974	439	305	93	38	3
1975	505	356	99	46	4
1976	530	363	113	50	4
1977	593	406	121	62	4

## Percent

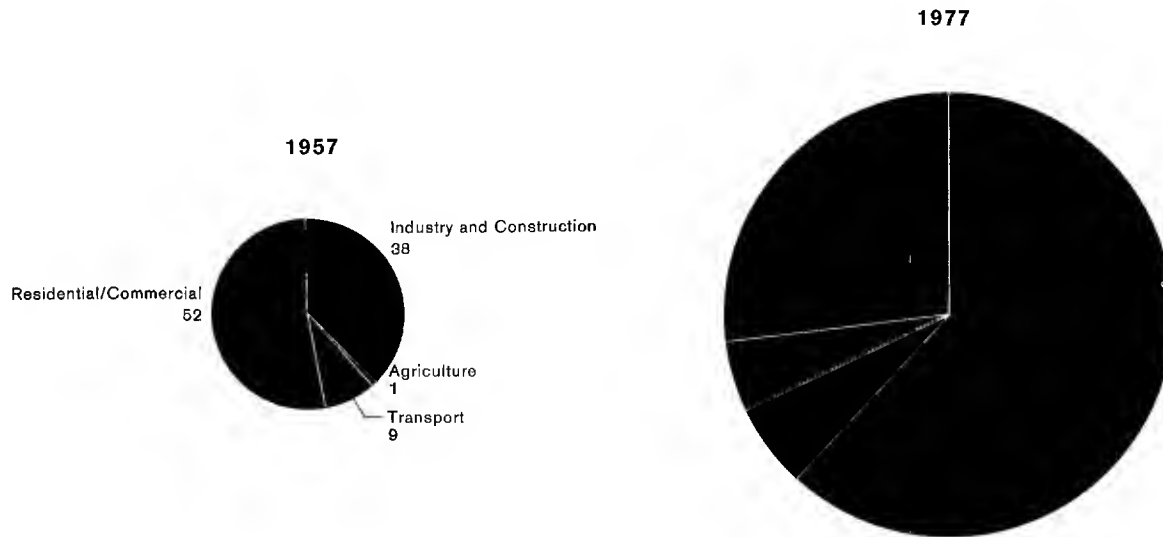
	Total	Coal	Oil	Natural Gas	Hydro-electricity
1952	100	97	3	Negl	Negl
1957	100	94	4	1	1
1965	100	85	8	6	1
1970	100	77	13	9	1
1974	100	69	21	9	1
1975	100	71	19	9	1
1976	100	68	21	10	1
1977	100	68	20	11	1

<sup>1</sup> Supply includes net imports. For domestic production of these items, see table 14A.

<sup>2</sup> The coal equivalent employed has a calorific value of 7,000 kilocalories per kilogram.

**China: Shift in Consumption of Primary Energy**  
Percent

Figure 7



Unclassified

578145 1-79

Table 20

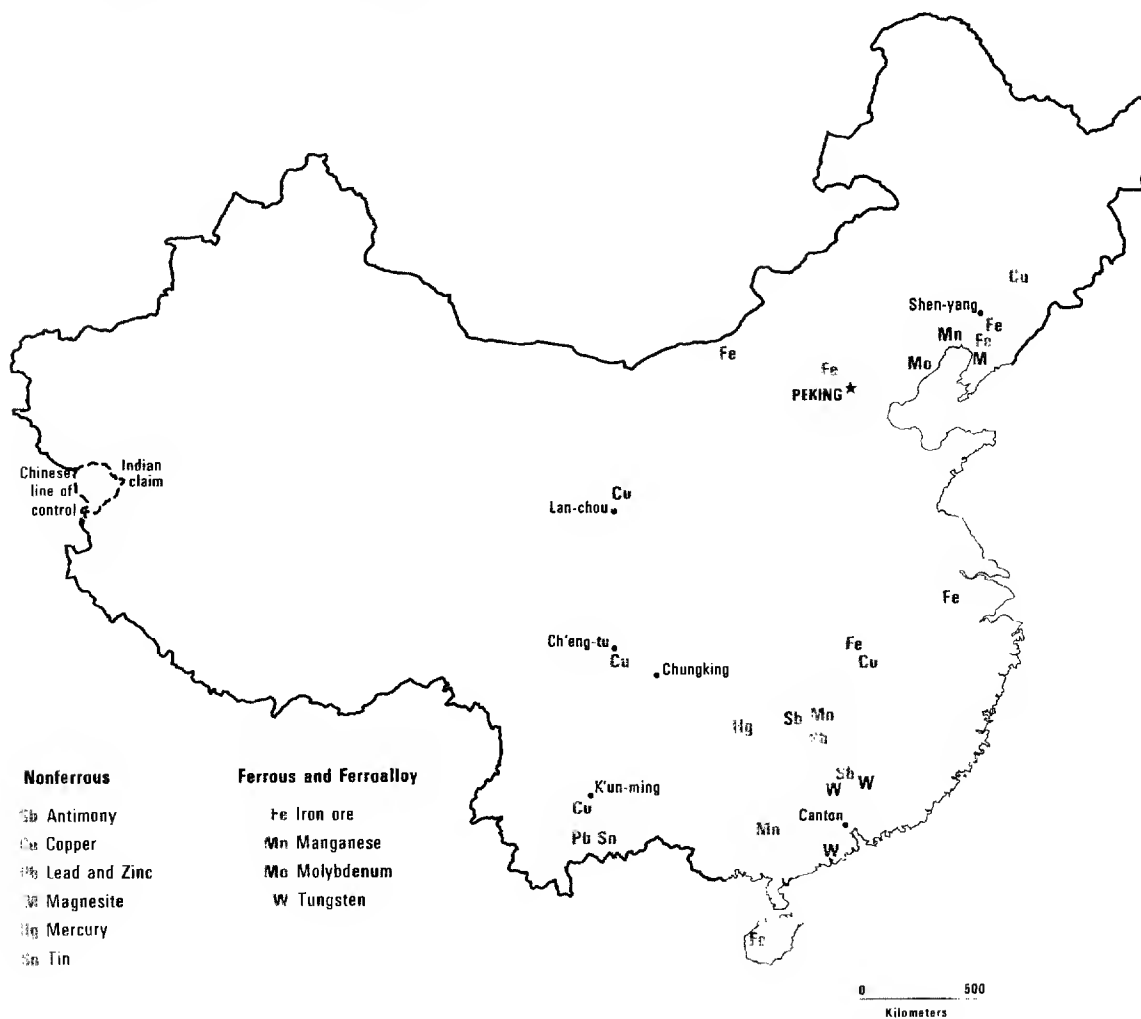
**China: Consumption of Primary Energy <sup>1</sup>**

	Million Metric Tons of Coal Equivalent				
	Total	Industry and Construction	Agriculture	Transport	Residential/Commercial
1952	42	11	Negl	5	26
1957	96	36	1	9	50
1965	193	93	6	15	79
1970	291	166	12	17	96
1974	396	245	24	20	107
1975	456	282	26	23	125
1976	479	296	29	24	130
1977	537	330	32	27	148
	Percent				
	Total	Industry and Construction	Agriculture	Transport	Residential/Commercial
1952	100	26	Negl	12	62
1957	100	38	1	9	52
1965	100	48	3	8	41
1970	100	57	4	6	33
1974	100	62	6	5	27
1975	100	62	6	5	27
1976	100	62	6	5	27
1977	100	61	6	5	28

<sup>1</sup> The coal equivalent employed has a calorific value of 7,000 kilocalories per kilogram.

# China: Minerals and Metal Mining

Figure 8



Unclassified

1/20/73 12/8

Table 21

China: Production of Minerals and Metals <sup>1</sup>

	Thousand Metric Tons								Thousand 76-lb Flasks
	Tungsten Ore <sup>2</sup>	Bauxite <sup>3</sup>	Metal- lurgical Coke <sup>4</sup>	Refined Copper <sup>5</sup>	Primary Aluminum	Primary Tin <sup>6</sup>	Antimony	Manganese	Mercury
1957	...	...	...	...	...	...	12.0	380	25
1965	17	1,120	10,100	200	140	12	8.0	830	25
1970	12	1,500	16,200	290	188	10	5.0	1,241	13
1971	16	1,500	20,100	290	192	13	8.4	1,468	15
1972	17	1,900	22,400	290	238	12	9.9	1,601	13
1973	19	2,300	24,300	290	286	15	10.6	1,772	17
1974	17	2,500	22,600	300	316	15	8.9	1,670	18
1975	14	2,800	24,200	300	357	18	8.0	1,806	15
1976	12	3,000	20,500	300	375	11	8.4	1,563	18
1977	...	...	23,100	...	...	...	...	...	...

<sup>1</sup> See table 14B for information on pig iron and steel production; for trade in selected minerals and metals, see table 28.

<sup>2</sup> Estimated tonnage of tungsten concentrates, 60 percent tungsten trioxide (WO<sub>3</sub>) basis.

<sup>3</sup> Data are for aluminous shales and clays used for the manufacture of aluminum and exclude exported shales and those used for refractories, abrasives, and cement.

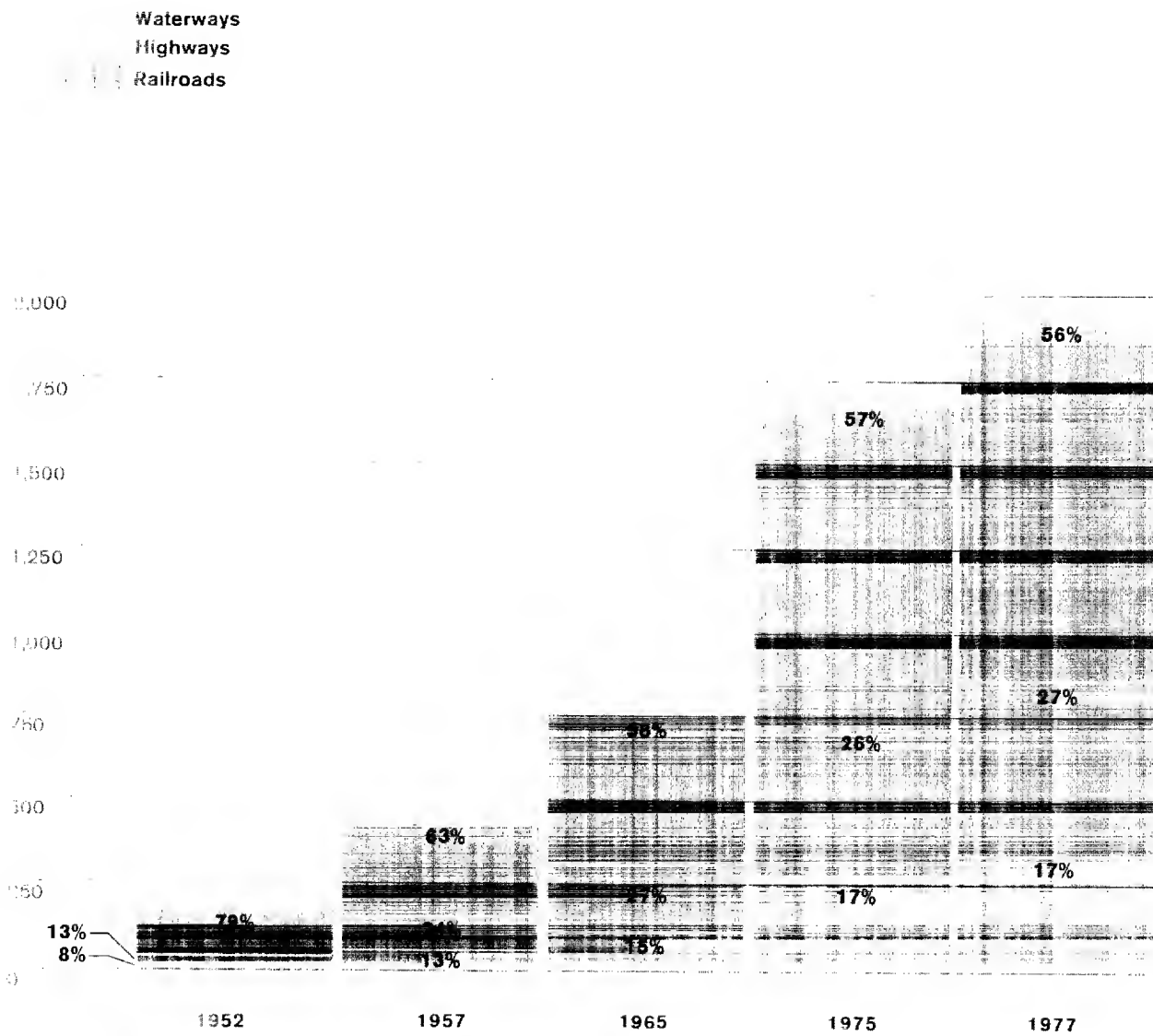
<sup>4</sup> Oven and beehive coke, excluding breeze coke.

<sup>5</sup> Primary and secondary refined copper produced from domestic and imported ores and scrap.

<sup>6</sup> Excluding tin derived from scrap or detinning.

**China: Trends in Modern Transport Performance**  
 Million Metric Tons Originated

Figure 9



Unclassified

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Table 22

China: Modern Transport Performance

	Million Metric Tons Originated			
	Total	Railroads	Highways	Inland and Coastal Waterways
1949	67	56	6	5
1950	114	100	7	7
1951	134	111	13	10
1952	167	132	21	14
1953	211	161	30	20
1954	266	193	44	29
1955	280	194	50	36
1956	372	246	79	47
1957	429	274	101	54
1958	633	381	176	76
1959	855	520	230	105
1960	830	510	220	100
1961	560	340	150	70
1962	580	350	155	75
1963	635	380	170	85
1964	675	400	180	95
1965	750	440	200	110
1966	840	490	225	125
1967	710	410	190	110
1968	755	430	205	120
1969	905	510	250	145
1970	1,090	615	300	175
1971	1,274	725	344	205
1972	1,346	770	356	220
1973	1,455	830	385	240
1974	1,529	865	404	260
1975	1,680	945	445	290
1976	1,703	945	463	295
1977	1,913	1,065	518	330



China: Major Transportation Routes

Figure 10



Unclassified  
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Table 23

China: Inventories of Transportation Equipment <sup>1</sup>

	Mainline Locomotives (Thousand Units)				Freight Cars (Thousand Units)	Merchant Ships (Thousand dwt)		Trucks (Thousand Units)
	Total	Diesel	Steam	Electric		(Units)		
1952	3.3	0	3.3	0	58	101	270	42
1957	3.7	0	3.7	0	86	93	302	63
1965	5.4	0	5.4	0	143	174	933	230
1970	6.4	0.7	5.7	0	175	269	1,944	434
1971	6.7	0.9	5.8	0	185	305	2,290	506
1972	7.1	1.1	5.9	0.1	197	329	2,657	590
1973	7.5	1.4	6.0	0.1	209	368	3,291	677
1974	7.9	1.7	6.1	0.1	222	430	4,592	793
1975	8.3	2.0	6.2	0.1	237	495	6,082	914
1976	8.7	2.3	6.3	0.1	251	556	7,081	1,033
1977	9.1	2.6	6.4	0.1	267	642	8,244	1,155

<sup>1</sup> For data on domestic production of these types of equipment, see table 13B.

Table 24

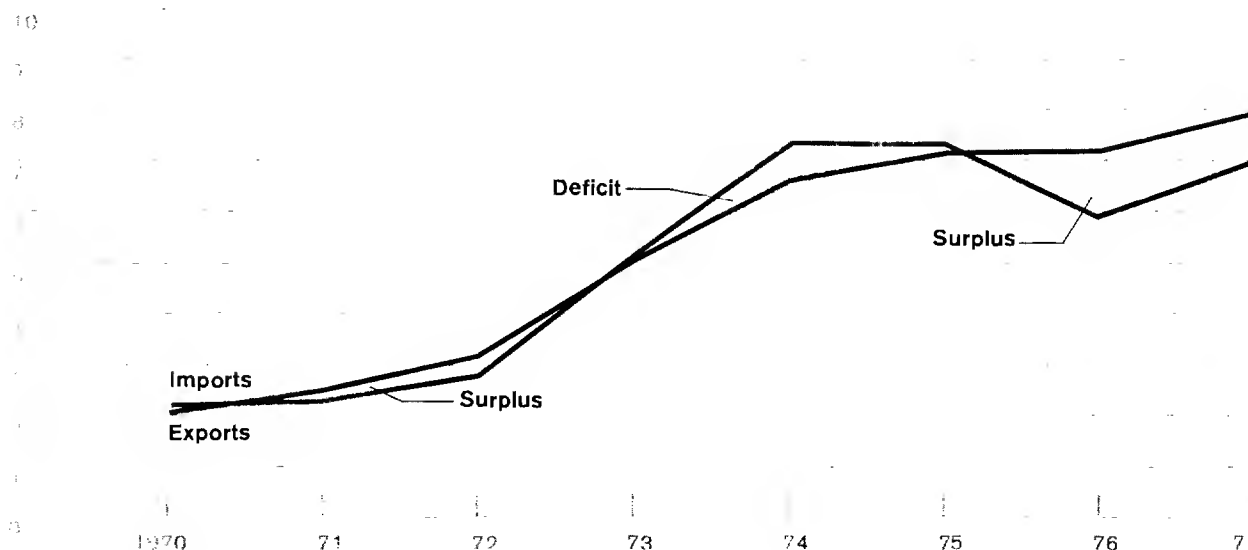
## China: Transport Networks and Freight Turnover

	Total	Railroads		Highways		Waterways	
	Turnover (Billion Metric Ton - km)	Length (Thousand km)	Turnover (Billion Metric Ton - km)	Length (Thousand km)	Turnover (Billion Metric Ton - km)	Length (Thousand km)	Turnover (Billion Metric Ton - km)
1952	71.6	24.5	60.2	127	0.8	95	10.6
1957	172.9	29.9	134.6	255	3.9	144	34.4
1965	275.0	35.9	213	550	7.0	...	55.0
1970	396.0	41.3	298	640	10.5	...	87.5
1971	466.5	42.8	352	670	12.0	...	102.5
1972	495.5	44.8	373	700	12.5	...	110.0
1973	536.5	45.6	403	725	13.5	...	120.0
1974	564.1	46.6	420	755	14.1	...	130.0
1975	618.6	48.0	458	785	15.6	...	145.0
1976	621.7	49.9	458	820	16.2	170	147.5
1977	699.3	...	516	855	18.3	170	165.0

# China: Trends in Foreign Trade

Billion US \$

Figure 11



Unclassified

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Table 25

## China: Commodity Composition of Trade, 1977

	Million US \$	Percent of Total		Million US \$	Percent of Total
<b>Exports by sector of origin</b>	<b>7,955</b>	<b>100</b>	<b>Imports by sector</b>	<b>7,100</b>	<b>100</b>
Agricultural	2,840	36	Foodstuffs	1,230	17
Animals, meat, and fish	650	8	Grain	745	10
Grain	455	6	Sugar	320	5
Fruits and vegetables	490	6	Other	165	2
Oilseeds	90	1	Industrial supplies	4,545	65
Textile fibers	290	4	Rubber	225	3
Crude animal materials	330	4	Textile fibers	500	7
Other	535	7	Chemicals	885	12
Extractive	1,000	13	Iron and steel	1,570	22
Crude minerals and metals	120	2	Nonferrous metals	265	4
Crude oil	785	10	Metal products	55	1
Coal	95	1	Other	1,045	15
Manufacturing	4,115	51	Capital goods	1,290	18
Petroleum products	230	3	Nonelectric machinery	455	6
Chemicals	380	5	Electric machinery	105	2
Metals and metal products	355	4	Transport equipment	640	9
Machinery and equipment	270	3	Other	90	1
Textile yarn and fabric	1,300	16	Consumer goods	35	Negl
Clothing and footwear	625	8			
Other light manufactures	955	12			

Table 26

China: Balance of Trade <sup>1</sup>

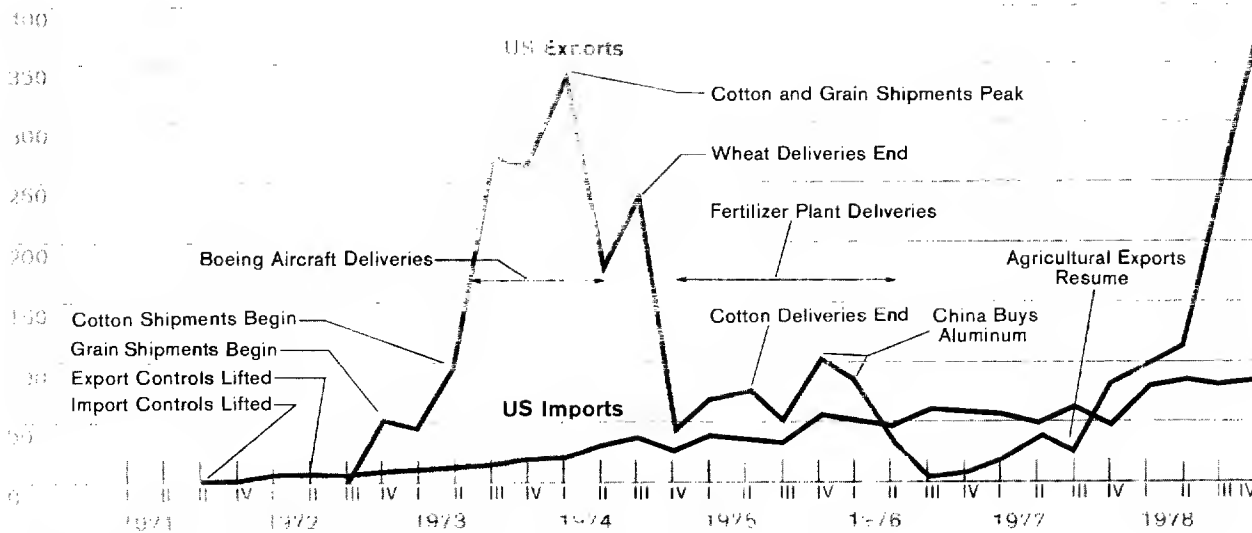
Million US \$

	Total trade				Communist Countries				Non-Communist Countries			
	Total	Exports	Imports	Balance	Total	Exports	Imports	Balance	Total	Exports	Imports	Balance
1950	1,210	620	590	30	350	210	140	70	860	410	450	-40
1951	1,900	780	1,120	-340	975	465	515	-50	920	315	605	-290
1952	1,890	875	1,015	-140	1,315	605	710	-105	575	270	305	-35
1953	2,295	1,040	1,255	-215	1,555	670	885	-215	740	370	370	0
1954	2,350	1,060	1,290	-230	1,735	765	970	-205	615	295	320	-25
1955	3,035	1,375	1,660	-285	2,250	950	1,300	-350	785	425	360	65
1956	3,120	1,635	1,485	150	2,055	1,045	1,010	35	1,065	590	475	115
1957	3,055	1,615	1,440	175	1,965	1,085	880	205	1,090	530	560	-30
1958	3,765	1,940	1,825	115	2,380	1,280	1,100	180	1,385	660	725	-65
1959	4,290	2,230	2,060	170	2,980	1,615	1,365	250	1,310	615	695	-80
1960	3,990	1,960	2,030	-70	2,620	1,335	1,285	50	1,370	625	745	-120
1961	3,015	1,525	1,490	35	1,685	965	715	250	1,335	560	775	-215
1962	2,670	1,520	1,150	370	1,410	915	490	425	1,265	605	660	-55
1963	2,775	1,575	1,200	375	1,250	820	430	390	1,525	755	770	-15
1964	3,220	1,750	1,470	280	1,100	710	390	320	2,120	1,040	1,080	-40
1965	3,880	2,035	1,845	190	1,165	650	515	135	2,715	1,385	1,330	55
1966	4,245	2,210	2,035	175	1,090	585	505	80	3,155	1,625	1,530	95
1967	3,915	1,960	1,955	5	830	485	345	140	3,085	1,475	1,610	-135
1968	3,785	1,960	1,825	135	840	500	340	160	2,945	1,460	1,485	-25
1969	3,895	2,060	1,835	225	785	490	295	195	3,110	1,570	1,540	30
1970	4,340	2,095	2,245	-150	860	480	380	100	3,480	1,615	1,865	-250
1971	4,810	2,500	2,310	190	1,085	585	500	85	3,725	1,915	1,810	105
1972	6,000	3,150	2,850	300	1,275	740	535	205	4,725	2,410	2,315	95
1973	10,300	5,075	5,225	-150	1,710	1,000	710	290	8,590	4,075	4,515	-440
1974	14,080	6,660	7,420	-760	2,435	1,430	1,010	420	11,645	5,230	6,415	-1,185
1975	14,575	7,180	7,395	-215	2,390	1,380	1,010	370	12,185	5,800	6,385	-585
1976	13,275	7,265	6,010	1,255	2,345	1,240	1,105	135	10,930	6,025	4,905	1,120
1977	15,055	7,955	7,100	855	2,520	1,370	1,150	225	12,530	6,580	5,950	630

<sup>1</sup> Data are rounded to the nearest \$5 million. Because of rounding, components may not add to totals shown.

**Highlights of US-China Trade<sup>1</sup>**  
Million US \$

**Figure 12**



1. Data are from US Department of Commerce and show exports on an f.a.s. and imports on an f.o.b. basis.

**Unclassified**  
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Table 27

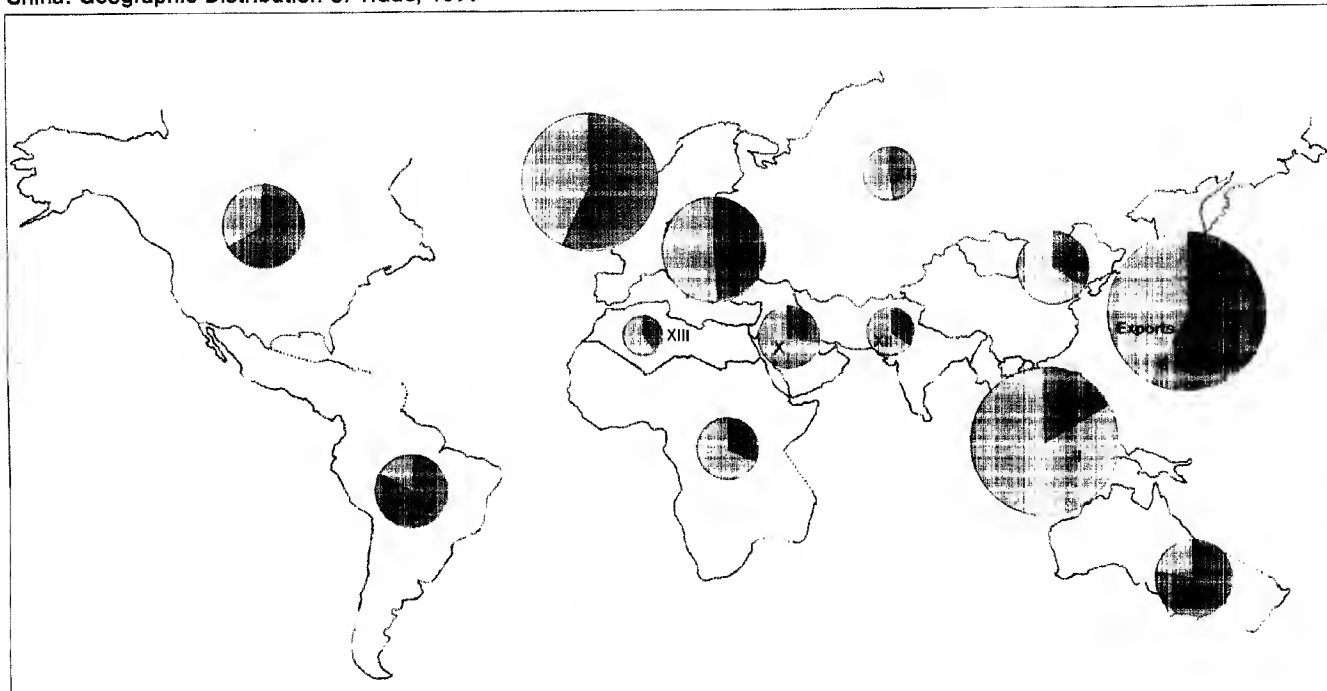
US-China Trade <sup>1</sup>

	Million US \$					
	1972	1973	1974	1975	1976	1977
US exports .....	63	740	819	304	135	171
Agricultural commodities ....	61	628	668	80	0	64
Of which:						
Wheat .....	35	308	234	0	0	0
Corn .....	24	141	96	0	0	0
Soybeans .....	0	55	138	0	0	0
Cotton .....	0	101	186	80	0	18
Vegetable oils .....	2	19	8	0	0	28
Metals .....	0	31	22	83	47	7
Of which:						
Steel scrap .....	0	24	12	13	4	Negl
Aluminum .....	0	3	0	47	26	5
Iron and steel pipe .....	0	0	3	12	11	Negl
Machinery and equipment ..	2	69	107	119	65	52
Of which:						
Aircraft, including engines, parts, and accessories .....	0	63	76	2	1	Negl
Other .....	0	12	22	22	23	48
US imports .....	32	64	115	158	201	203
Foodstuffs and tobacco .....	4	7	16	16	24	26
Textiles and apparel .....	7	15	36	45	63	58
Silk and other fibers .....	4	6	5	4	8	8
Cotton and other fabrics .....	2	7	25	31	35	21
Clothing and footwear .....	1	2	6	10	20	29
Handicrafts .....	8	15	20	22	42	49
Of which:						
Antiques, works of art .....	3	6	8	6	12	9
Bristles, downs, and feathers .....	8	8	10	6	23	28
Chemicals, including fireworks .....	2	8	18	18	18	22
Nonferrous minerals and metals .....	2	8	11	42	21	12
Of which:						
Tin .....	1	8	9	40	13	4
Other .....	1	3	4	11	10	8

<sup>1</sup> Data are from the Department of Commerce and show exports f.a.s. and imports f.o.b.

China: Geographic Distribution of Trade, 1977

Figure 13



Trade Region	Turnover Million US \$	
I Japan	3,510	VI Australia and New Zealand 695
II Southeast Asia (including Hong Kong and Macao)	2,975	VII Latin America (including Cuba) 635
III Western Europe	2,395	VIII Far Eastern Communist Countries 635
IV Eastern Europe (including Albania and Yugoslavia)	1,445	IX Sub-Saharan Africa 555
V United States and Canada	850	X Middle East 520
		XI USSR 340
		XII South Asia 325
		XIII North Africa 225

Unclassified

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Table 28

## China: Commodity Imports

	Thousand Metric Tons				
	Wheat and Corn	Sugar	Soybeans	Cotton	Chemical Fertilizer <sup>1</sup>
1957	0	0	0	50	1,340
1965	5,900	400	0	155	3,200
1970	4,600	530	0	101	7,410
1971	3,128	465	0	122	7,390
1972	4,642	750	2	237	7,740
1973	7,642	735	255	410	7,430
1974	6,790	410	619	380	5,362
1975	3,434	240	36	164	5,764
1976	1,921	520	25	100	5,041
1977	6,910	1,623	362	150	7,528

	Thousand Metric Tons					
	Natural and Synthetic Rubber	Pig Iron	Finished Steel	Aluminum	Copper	Nickel
1957	55	0	530	4	3	2
1965	140	0	750	5	30	8
1970	205	100	2,100	20	80	8
1971	195	500	2,200	75	90	11
1972	205	500	2,300	100	100	15
1973	278	800	3,700	110	170	29
1974	206	800	3,600	75	140	29
1975	252	400	3,900	408	90	5
1976	232	300	4,300	177	142	8
1977	259	800	4,700	...	...	...

<sup>1</sup> In standard units.

Table 29

## China: Exports of Petroleum and Petroleum Products

	b/d				
	1973	1974	1975	1976	1977
Total	38,000	112,000	210,000	192,000	216,000
Of which:					
Japan	20,596	79,348	158,510	123,426	134,475
Philippines	...	2,050	8,288	11,320	16,920
Thailand	397	845	1,148	5,845	6,113
Romania	...	...	4,660	9,120	9,849
Hong Kong	841	6,613	13,124	12,277	18,342



Table 30

## China: Contracts for Whole Plant Imports

	Type	Value (Million US \$)	Contract Signed	Comple- tion	Comment
<b>1975</b>		<b>364</b>			
<b>Japan</b>		<b>38</b>			
Nippon Seiko	Spherical bearings	3	Apr 1975	1976	Progress payments
Koyo Seiko	Cylindrical bearings	8	Apr 1975	1976	Progress payments
Ibigawa	Laminated board	1	Jul 1975	...	
Ataka	Air separation	11	Nov 1975	1977	Progress payments; capacity of 35,000 cubic meters per hour
Mitsubishi	Friction materials	15	Dec 1975	...	
<b>West Germany</b>		<b>90</b>			
Linde	Benzene	20	Jul 1975	...	
Krupp	Dimethylterephthalate	50	Dec 1975	...	Progress payments; capacity of 90,000 metric tons per year
Uhde	Ethanol	20	Dec 1975	...	Capacity of 100,000 metric tons per year
<b>United Kingdom</b>		<b>200</b>			
Rolls-Royce	Jet engine plant	200	Dec 1975	1980	50 jet engines plus manufacturing facility and testing equipment
<b>Italy</b>		<b>36</b>			
Mechaniche Moderne	Detergent	1	Sep 1975	...	Progress payments
Eurotechnica	Detergent alkalation	35	Oct 1975	...	Deferred payments
<b>1976</b>		<b>185</b>			
<b>Japan</b>		<b>146</b>			
Japan Gasoline	Aromatics complex	36	Jan 1976	...	Japan Ex-Im Bank financing
Japan Synthetic Rubber	Styrene-butadiene rubber	27	Feb 1976	...	Five year Japan Ex-Im Bank financing; capacity of 240,000 metric tons per year
Kyokuto Boeki Kaisha	Hot scarfer	2	Mar 1976	...	Progress payments
Teijin	Polyester/polymer	40	Mar 1976	...	Five year Japan Ex-Im Bank financing; capacity of 80,000 metric tons per year
Nakajima Seiki	Wallpaper plant	1	Apr 1976	...	
Nippon Steel	Desulfurization plant	26	Jun 1976	...	
Mitsui	Cinder pelletizing	14	Aug 1976	...	
<b>West Germany</b>		<b>31</b>			
BASF	Diethylhexanol	24	Mar 1976	...	Capacity of 50,000 metric tons per year
Kraus Maffei	High reactive lime	7	Aug 1976	...	
<b>Italy</b>		<b>8</b>			
Nuovo Pignone	Centrifugal compressors technology	8	Jun 1976	...	
<b>Finland</b>		<b>...</b>			
Tamglass	Automobile glass plant	...	Jun 1976	...	
<b>1977</b>		<b>59</b>			
<b>Japan</b>		<b>20</b>			
Chiyoda	Natural gas refining	20	Nov 1977	1980	Five year Japan Ex-Im Bank financing
<b>West Germany</b>		<b>39</b>			
Zimmer	Polyester fiber and film	12	Jun 1977	1980	
Lurgi	Terephthalic acid	27	Jun 1977	1980	US technology from Amoco

Table 30

## China: Contracts for Whole Plant Imports (Continued)

	Type	Value (Million US \$) 887 <sup>1</sup>	Contract Signed	Comple- tion	Comments
<b>1978</b>					
<b>Japan</b>		<b>576</b>			
Kuraray	Synthetic leather	32	May 1978	1982	Progress payment; capacity of 3 million square meters per year
Nippon Steel	Steel mill technology	78	May 1978	1980	First contract under the long-term trade agreement (LTTA)
Mitsubishi	Ethylene plant	10	Jun 1978	NA	
Dainippon Tokyo	Phosphors plant	10	Jun 1978	1981	For color television tube plant
Dainippon Screen	Shadow mask plant	11	Jun 1978	1981	For color television tube plant
Asahi Glass	Braun glass plant	68	Jun 1978	1981	For color television tube plant
Marubeni and Japan					
Gasoline	Ethylene plant	200	Jul 1978	1981	
Hitachi	Color television tube plant	75	Jul 1978	1981	
Toshiba and Hitachi	Integrated circuit plant	53	Aug 1978	1981	For color television tube plant
Tokyo electric power services	Thermal power plant	2	Aug 1978	1980	Design and construction contract
Nikki Engineering and Nippon Polyurethane	Synthetic leather base materials	37	Sep 1978	1981	
<b>West Germany</b>		<b>105</b>			
Uhde	Petrochemical plants (5)	105	Apr 1978	NA	
<b>United Kingdom</b>		<b>201</b>			
Davy Powergas	Oxo-alcohol plants (2)	68	Aug 1978	1981	
Dowty	Coalface equipment	133	Sep 1978		
<b>United States</b>		<b>5</b>			
Kaiser	Iron ore mines	5	Sep 1978	NA	Developmental contract

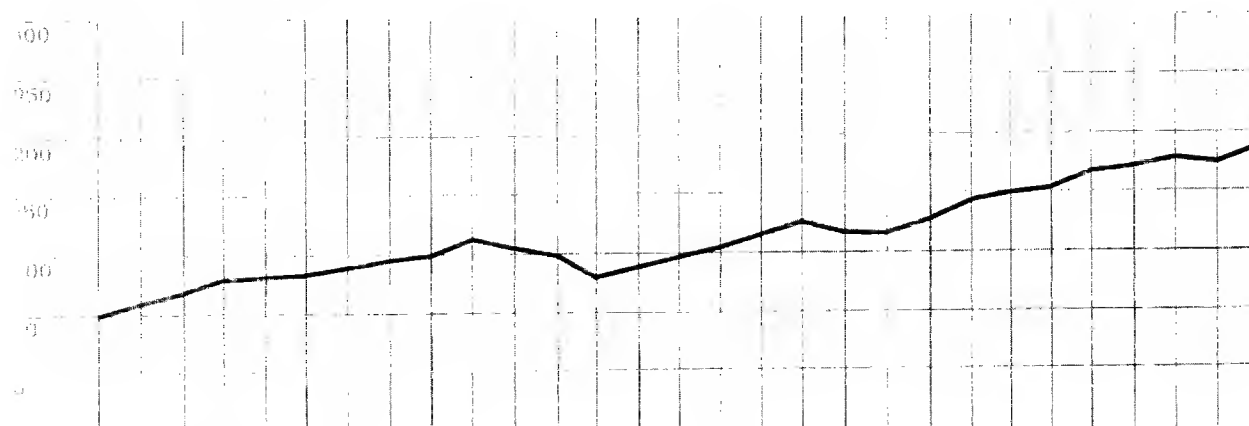
<sup>1</sup> As of September 1978.

# China: Trends in Consumer Welfare Indicators

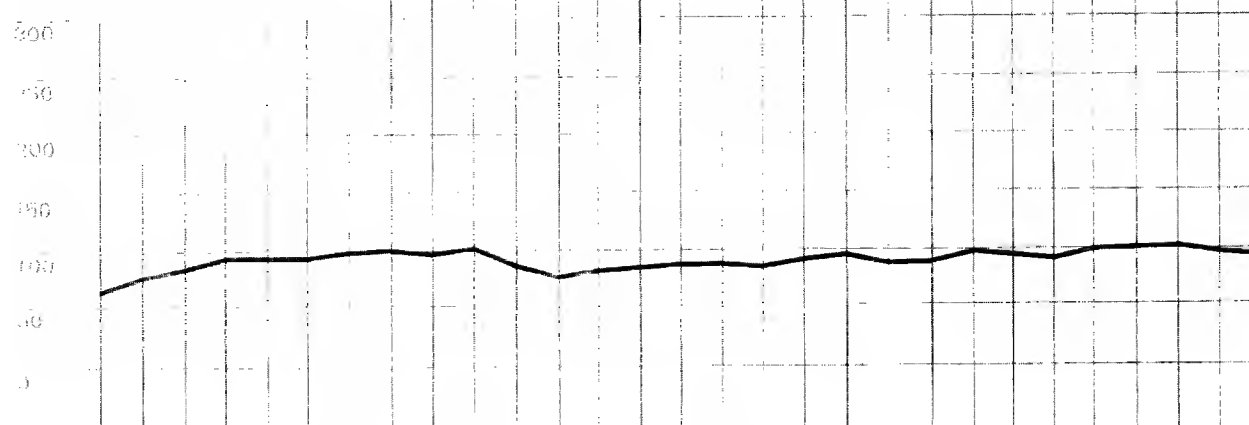
Figure 14

Index: 1957=100

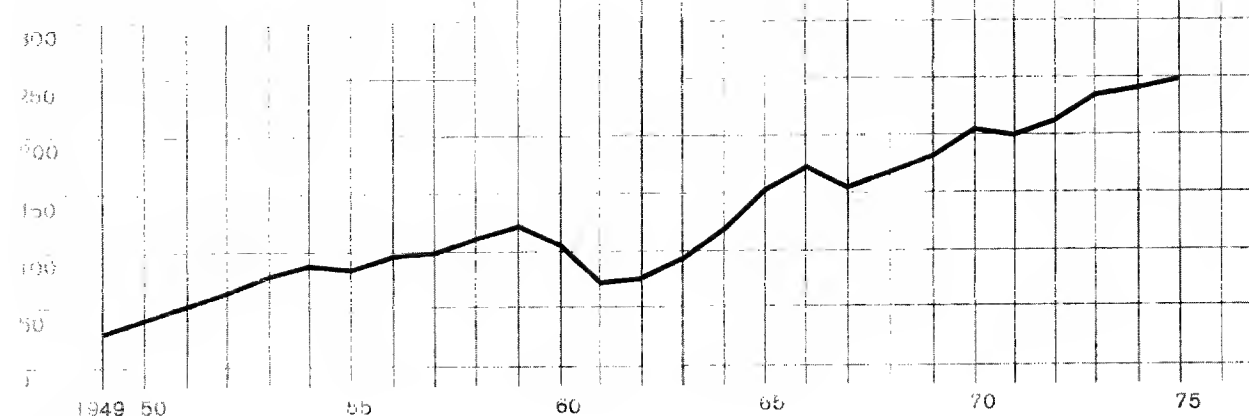
## Per Capita Gross National Product



## Per Capita Production of Grain



## Per Capita Output of Consumer Goods



Unclassified

578148 1-79

Table 31

China: Per Capita Indicators of Consumer Welfare

	GNP <sup>1</sup> (1977 US \$)	Grain Output <sup>2</sup> (Kilograms)	Cotton Cloth Output (Linear Meters)	Consumer Goods Output (Index 1957 = 100)
1949	101	205	3.5	33
1950	122	235	4.6	42
1951	140	250	5.5	55
1952	162	280	6.7	67
1953	168	278	8.0	80
1954	171	275	8.8	88
1955	183	292	7.1	85
1956	194	297	9.2	96
1957	201	285	7.9	100
1958	233	311	8.7	115
1959	217	253	...	125
1960	206	226	...	107
1961	161	240	...	74
1962	173	252	...	75
1963	190	260	...	97
1964	207	260	...	117
1965	228	254	7.6	155
1966	254	276	...	171
1967	238	282	...	159
1968	234	257	...	170
1969	254	257	...	180
1970	288	284	10.0	206
1971	301	281	...	201
1972	308	268	...	213
1973	341	291	...	236
1974	346	295	...	240
1975	363	298	10.1	250
1976	355	293	9.2	...
1977	377	288	10.2	...

<sup>1</sup> These figures are derived from unrounded data.

<sup>2</sup> Includes soybeans and uses year-end population.

Publications of Interest

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*People's Republic of China: Foreign Trade in Machinery and Equipment Since 1952*, January 1975.

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*People's Republic of China: Chemical Fertilizer Supplies, 1949-74*, August 1975.

*People's Republic of China: International Trade Handbook*, October 1975.

*Value Added by Work Brigades in Railroad and Highway Construction in China, 1952-57*, November 1975.

*China: Energy Balance Projections*, November 1975

*China: Agricultural Performance in 1975*, March 1976.

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*Chinese Merchant Ship Production*, March 1976.

*People's Republic of China: Estimated Yuan Value of Foreign Trade in Machinery and Equipment, 1951-73*, April 1976.

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*People's Republic of China: Handbook of Economic Indicators*,  
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*People's Republic of China: Timber Production and End Uses*,  
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*China: Oil Production Prospects*, June 1977.  
*China: Real Trends in Trade With Non-Communist Countries*  
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*China: Economic Indicators*, October 1977.  
*China: 1977 Midyear Grain Outlook*, October 1977.  
*China: A Look at the 11th Central Committee*, October 1977.  
*China's Cement Industry*, November 1977.  
*China's Economy*, November 1977.  
*China: International Trade 1976-1977*, November 1977.

The following are publications that postdate the microfilms and which may be obtained from the same source:

*China: The Nonferrous Metals Industry in the 1970s*, May 1978.  
*China: Gross Value of Industrial Output, 1965-77*, June 1978.  
*China: International Trade, 1977-78*, December 1978.



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